

SEQUENCE LISTING

<110> King, Gordon E.
Meagher, Madeleine Joy
Xu, Jiangchun
Secrist, Heather

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF COLON CANCER

<130> 210121.547

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<140> US
<141> 2001-07-31
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<160> 1789

<170> FastSEQ for Windows Version 4.0

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<210> 1
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<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> 544, 560, 627, 635  
<223> n = A,T,C or G
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agctttcttg	ttggaaggga	gggaatcctt	tatttcagag	tcaataacaa	tcttaaggac	180	
atctggctca	gaggctgggt	ctgcaagttg	tttttcattc	tcagaaaagt	catcgtcttc	240	
caagtgcaag	aggaggggac	tgatagagtc	actctcccct	tgaacatcag	gcaactcttt	300	
caaaccagtt	cccaagtgtc	caacctggaa	agttgctctg	cttccaggag	gaaccttact	360	
aataaaaagcc	cgccgagcat	cccttgggaa	ctctgatatc	atagagcttg	gtagttcagc	420	
caggccaaca	gagtcacat	ttagttgttg	attaagaaga	gcaatttcat	tgagcagtga	480	
agtcagtgtc	tcacacgtat	catctctatc	ttccatgtta	ggtcagcagt	tcaactggaat	540	
caanactgct	tcctctatan	ctgatgttac	tttcctcagt	tcctatctcta	tgctttgaag	600	
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<210> 2
<211> 373
<212> DNA
<213> Homo sapiens
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ctgtttcttc atagtctggt atgctgtcat ttggacctgg atgcttcctg tttcttcacg 120
```

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<210> 3
<211> 642
<212> DNA
<213> Homo sapiens
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<400> 3							
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ggtgaggcaa	aggcatctgg	acttgttcca	gccagccca	ccgggtgaca	tcaccgggca		120
gggaggggtg	ctgggtggtg	ttcatacggg	gtaagctgct	ctgcctgtgt	gagtggtcc		180
tggggccctaa	acaggcacct	ttaggccatg	ggtcactcac	cgtgagccat	caatgtgctc		240
tggcttgaca	tggtttctct	ctgtcttcta	gtctagacct	agtttttttg	ttctgttccc		300
cacgtatgga	tatagtagag	attgttgtct	gtgaaatttc	tctttttagt	atttttgagtt		360
ttcccttgta	gtgtaaagaa	tgatcacttt	ctgtaacaat	aacaagacca	cttttttaaga		420
tttatcctgt	ttgttctttg	ttgattgaaa	cataataatt	gttaaaattc	tctacagcct		480
tctttttctt	ccatagctaa	tcttctctct	aatagttttt	gctttctggt	ttgctgttgt		540
nccttttgcaa	agctttcccc	tcatagcctg	tacctgttat	caatataaaa	ataatctncc		600
tgtgggaatg	cttcattgac	ntgaatttct	cctttggana	aa			642

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<211> 575
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G
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ctggaagcca	gttccagaa	gaccaaactg	catgccccaa	tgcgcaaggt	aatttattct	60
tattacttga	tgtcctaaag	cttctttgag	atttgctata	aaatttccta	tgatggtaga	120
acgcaaagt	ccaacatgaa	atTTTTTggc	aacattaggt	gaactgaatt	caaccacaat	180
cttcttctgg	ggaagtccag	agaaaagttc	actttttaat	ccatatTTTg	agccatcttc	240
aattacttgt	tgtagcactg	tctttgttaa	gagctctctg	tttattTTTg	aattttacgt	300
cttttgacca	gtactgattt	cactcaccac	tgtatcacat	cttagcttct	ctgtagtctc	360
cttggcttga	acttgaatat	ctggtcttga	atggtcattg	tctttttcca	ataaagaatc	420
cagacaaga	tgaaaaatcag	ctacttcttc	tttttgggaa	attggaactg	cagatattga	480
tgtgatcaag	tnttctgggtg	gaagattcaa	cactctggaa	agctggcaag	caatagcgcg	540
gcgaaagccg	cacgccatgt	ccacctctac	gggaa			575

<210>	5
<211>	558
<212>	DNA

<213> Homo sapiens

<400> 5

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caagaaaaag cggatgggtg ttcttgcctgc cctcaaggctc gtgcgtctga agcctacaag 60
aaagtttgcc tatctggggc gcctggctca cgaggttggc tggaagtacc aggcagtgc 120
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca 180
gctcatgagg ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac 240
agaggtcctc aagaccacg gactcctggc ctgagcccaa taaagactgt taattcctca 300
tgcgttgccg gcccttcctc cattgttgcc ctggaatgta cgggaccagc gggcagcagc 360
agtccagggtg ccacaggcag ccctgggaca taggaagctt gggagcaagg aaaggggtctt 420
agtcactgcc tcccgaagtt gcttgaaagc actcggagaa ttgtgcaggt gtcatttatc 480
tatgaccaa taggaaagag caaccagtta ctatgagtga aaggagacca gaagactgat 540
tgggagggcc ctatcttg                                     558

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<210> 6

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 301, 306, 375, 430

<223> n = A,T,C or G

<400> 6

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cctggcaggg aatgcaattc tcanagaaga caaagaccgc caaaagatgt atgccaccat 60
ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtcctgttta ggaaaaagaa 120
gtgtgactac tggatcagga cttttgttcc aggttgccag cccggcgagt tcacgctggg 180
caacattaag agttaccctg gattaacgag ttacctcgtc cgagtgggtg gcaccaacta 240
caaccagcat gctatggtgt tcttcaagaa agttttctca aacaggaggt cttcaagatc 300
nccctntacg ggagaaccaa ggagctgact tcggaactaa aggagaactt catccgcttc 360
tccaaatatc tgggnctccc tgaaaaccac atcgtcttcc ctgtcccaat cgaccagtgt 420
atcgaccggn tgagtgcaca ggtgcgggca g                                     451

```

<210> 7

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 293, 469

<223> n = A,T,C or G

<400> 7

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gcatatttaa tgcacacatt tgaatgttac acataaataa ttttaacgat ggagtccaag 60
ttctggattt tacattagat ctgcatatat aagacacttg tgggtcaaatt tcaagattgg 120
taaagccagt ttcaaagctgc ttatatattt agtacagggt tcactattac aaatgtatga 180
tggttaacta acaaactcat gaccttcaaa gatgtcttcg tcccacgcac acacatttgt 240
aatttgtgtc catttgctat ttcccttctt ctataatctt caaattatat agntatgcat 300
tgagttccct atgcatctca cccatctcct ttatctcagc cttctcatac tttgccattc 360
tcttctttct ggaaataacc agcacaacaa ttccagcaac aactgctatc accacaacca 420
caataacagg caataacacc agctttttaga ccctgcattg agaattcang tgctttttca 480
tcaacataat aaattaaagt ttgaccagga tccagatcca gttgttcccc atttactgtc 540

```

555

<211> 277

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

gtggagcagc	tctgtacga	aagccctgag	cggtactccc	gctcagtgtc	netcatcacc	60
cagcacctca	gctgntgga	gcaggctgac	cacatnctct	ttctggaagg	aggcgctntc	120
cgnaaagggy	gaacccacca	ccagctcatg	gaaaaaaagg	gngctactg	gnccatggtg	180
caggctctcg	catagtctcc	aaaatgaag	ccttctcaga	cctgcgcact	ccatctccct	240
cccttttctt	ctctctqtqg	tggagaacca	cagagta			277

<211> 474

<213> Homo sapiens

<221> misc feature

 $\langle 223 \rangle$ n = A, T, C or G

cctgcacatgga	ttccatgttcc	atgagttttgg	agataataca	gcaggctgta	ccagtgccagg	60
tccctcactttt	aatcctctat	ccagaaaaca	cggtagggcca	aaggatgaag	agaggcatgt	120
tggagacttg	ggcaatgtga	ctgctgacaa	agatgggtgtg	gccgatgtgt	ctattgaaga	180
ttctgtgatac	tcactctcag	gagaccattg	catcattggc	cgcacactgg	tgggtccatga	240
aaaagcagat	gacttgggca	aaggtagaaa	tgaagaaagt	acaaagacag	gaaacgctgg	300
aagtcgtttg	gcttgtgggtg	taattgggat	ccgcccaata	aacattccct	tggatgtagt	360
ctgaggcccc	ttaaactcatc	tgttatcctg	ctagctgtag	aaatgtatcc	tgataaacat	420
taaacacttg	naatcttaaa	agtgggnattg	tgtgactttt	tcanaagttg	cttt	474

<211> 513

<213> Homo sapiens

<221> misc feature

$\langle 223 \rangle$ n = A, T, C or G

cctataccat	tcaaggacag	tatgccattc	cacagccaga	tttgaccaag	ctgcaccagt	60
tggcaatgca	acagtctcat	tttcccatga	cgcattggcaa	caccggattc	agtggcattg	120
aatccagctc	tccagagggtg	aaaggctatt	gggcagggtt	ggatgcattc	gctcagacta	180
cttctcatga	actcaccatt	ccaaacgatt	tgattggctg	cataatcggg	cgtcaaggcg	240


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<210> 11
<211> 606
<212> DNA
<213> Homo sapiens
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<400>	11						
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tacaacctgg	aagaagaatg	tgaggctctc	ctggaaagat	gcaaaaacca	tctcagatcc	120	
aaggggccaa	gatacaagg	tctgtctgct	acctgagggg	tctgaagctt	tgagggcgag	180	
ggctggggag	tcacaatcct	gtgaggcgag	gagagggaag	agtcacaaac	ccaactcagc	240	
gctattcttt	agccctaggc	gctttcactc	ctcagtgcc	tagaagtca	cagtaggtgt	300	
caactgggca	gacaagggac	aggaagacag	ggatggccca	gggcttttta	cccgtttggg	360	
tttangcccg	tttctccatt	aagggatgca	gaggcagggg	tggagtgagt	gaatgaatga	420	
gtcacatctc	canaacagca	ggaaggaaca	gcctctgctg	gcaatgacag	ttccccagat	480	
gagatccctg	gggctctgaa	agggaanggc	aagattcccc	cccccaaatg	ccccgggatt	540	
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gccggc						606	

```
<220>  
<221> misc_feature  
<222> 34  
<223> n = A,T,C or G
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<210>	13
<211>	723
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 594, 603, 620, 665, 708

<223> n = A,T,C or G

<400> 13

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aatcatgtta gagttacttc tataaagtga acagatttta ttaatcacgg cttttggtga 120
atttgtttaa ggtaattat ggtagcaaat tttgggccta aacattattt ttctgtatcc 180
cgctgtaatt cccaaaactc tcattattct ctaactatta cacatgggca tattctgatg 240
tttctcatcc tttgccagaa gactaccta catccatcgt aattgttctc taggaaaaga 300
gaactttttt caaaattcaa aatacttctt aaggatggca cagtaccata taactggagt 360
aataaaacat gagcttacat tcttacaata actaaaccac ttaaaatgat caaggcacta 420
atgttttggt ctgaaaagct gtgtacttta tagacatttt cagacatttt tggaaatttc 480
cattaaaggt ggaaaatcta ttttttcct ctttgcagt gtcttagttt gaatgaaaca 540
cttcgaagtt ctagaaattc tagaaagagc cttaatgtat ttgatgtatt ctgngataaa 600
gangtactaa tagtatccan cacagatttg cttttctttg ctagcacaat gtgggtgttg 660
tgcanaatat tctttttata ttctgtggaa aaaataaagg aaattcanaa tggttacctg 720
ccc 723
```

<210> 14

<211> 637

<212> DNA

<213> Homo sapiens

<400> 14

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aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaatgc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
attagatctg catatataag acacttgttg tcaaatttca agattggtaa agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttgtgtccat 360
ttgctatttc cttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctacccc atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
aataaccagc acaacaattc cagcaacaac tgcatacacc acaaccacaa taacagcaat 540
aacaccggct tttagaccct gcattgagaa ttcagggtgt ttttcatcaa cataataaat 600
taaagtttga ccaggatcca gatccagttg tccccat 637
```

<210> 15

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33, 39

<223> n = A,T,C or G

<400> 15

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ggtactctca gtgtgttctg gtcacttctg ggnttagtng tagaagcagg tgtgtctctt 60
gcctctgctt gcctcctact gcacactcag caccacaggac tggaatcacc gactactgaa 120
tctcctacat gtattgtgc tacttcaagc tctccactt gaaaccttat gattttccca 180
```

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<210> 16
<211> 592
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> 40  
<223> n = A,T,C or G
```

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cactttaaga	taagatccag	gcaaccaata	actccttctt	tttcaactct	caagtgatca	120
accataacag	caagggcttt	gttatgatgc	tgaaagtcta	agtgaaacat	ctcatcttgt	180
aaccatttag	ccacacagct	agacatttga	gtcttttagtt	gctcaatgta	ttcatcccgt	240
ggggtagtaa	aattccactt	tagcaccttc	aatccttttt	catcttttcat	cctttgctct	300
tttccatttg	gaacaacaat	aaaaataggc	ccggatttgt	cttcatcctc	ctttaagctg	360
gttttgcttg	gcatcttctt	cctttgtgca	ctctttgctt	tagaggataa	tcctggagct	420
tttggccttt	ttggatcagg	tttgggttct	gtactgctgg	aaatacaatc	ttcagcaggt	480
gctgatgcag	gctggaattt	ggctggagcg	gacctccca	ttggtttaga	agttgcttta	540
gtgggtggag	caggcttggc	tggcatgtta	actttggctt	tctctagcat	gg	592

```
<210> 17
<211> 459
<212> DNA
<213> Homo sapiens
```

<400> 17						
attgtcctag	gtgagaggat	ccattcccaa	aacggactgg	ggcaaaaact	gagaagtagg	60
tagatccttg	atgggtctgta	ttgccccgga	tcctcttagg	tctcgcaggc	tgtctatggc	120
ttgctctggt	gatatttgtt	cagataggta	tagtaggaga	caagcagcta	caagacaaga	180
tctcccaagt	cctccatagc	agtgtattaa	ggtttttcgg	taatttttaa	ggcagggttg	240
aagctcttcc	attatttcac	agcagctggc	tatgtcagga	gtccctccat	ctgcgattgg	300
atgatgatgg	gtgataattc	cacattgctg	gtagagatcc	agaaggtttg	ggactctata	360
ttttgacagt	tccctctggg	tgcagaaaac	aaatatgtct	tgtataccac	agctcttttag	420
ttcttctgta	tctttttgga	cattttcttct	aacatctttt			459

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<210> 18
<211> 104
<212> DNA
<213> Homo sapiens
```

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<220>  
<221> misc feature  
<222> 54, 74, 88, 94  
<223> n = A,T,C or G
```

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<210> 19
<211> 501
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc_feature
<222> 430
<223> n = A,T,C or G
```

```
<210> 20
<211> 362
<212> DNA
<213> Homo sapiens
```

```
<210> 21
<211> 463
<212> DNA
<213> Homo sapiens
```

<400> 21						
ctgatctacg	agtctgccat	cacctgtgag	tacctggatg	aagcataccc	agggagaagaag	60
ctgttgccgg	atgaccccta	tgagaaagct	tgccagaaga	tgatcttaga	gttgttttct	120
aagggtgcca	ccttggtagg	aagctttatt	agaagccaaa	ataaagaaga	ctatgctggc	180
ctaaaagagg	aatttcgtaa	agaatttacc	aagctagagg	aggttctgac	taataagaag	240
acgaccttct	ttggtggcaa	ttctatctct	atgattgatt	acctcatctg	gccctggttt	300
gaacggctgg	aagcaatgaa	gttaaattgag	tgtgtagacc	acactccaaa	actgaaactg	360
tggtatggcag	ccatgaagga	agatcccaca	gtctcagccc	tgcttactag	tgagaaagac	420
tggcaaggtt	tcctagagct	ctacttacag	aacagccctg	agg		463

<210> 22
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 598
 <223> n = A,T,C or G

<400> 22
 cctgtcctct gggagtgacc tttattagtc cacccttgg agctagacat cctgtactta 60
 gtcacgggga tgggtggaaga gggagaagag gaagggtgaa gggaagggt ctttgctagt 120
 atctccatat ctagacgatg gtttttagatg ataaccacag gtctacaaga gcgttttttag 180
 taaagtgcct gtgttcattg tggacaaagt tattattttg caacatctaa gctttacaaa 240
 tggggtgaca acttatgata aaaactagag ctagtgaatt agcctatttg taaatacctt 300
 tgttataaatt gataggatac atcttggaca tgggaattgtt aagccacctc tgagcagtgt 360
 atgtcaggac ttgttcatta gggtggcagc agaggggcag aaggaattat acaggtagag 420
 atgtatgcag atgtgtccat atatgtccat atttacattt tgatagccat tgatgtatgc 480
 atctcttggc tgtactataa gaacacatta attcaatgga aatacacttt gctaataattt 540
 taatggtata gatctgctaa tgaattctct taaaaacata ctgtattctg tgctgtgngt 600
 ttcatttt 608

<210> 23
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 638, 663
 <223> n = A,T,C or G

<400> 23
 aaaagaacat gaggtcaaaa atcagagctc gaaaatctac tgcttcatag ctgtgtgacc 60
 acaggcaaat tctttttgcc tcagtttttt cctcctaata atgaagaata tcttatttgc 120
 tttggagggc tataagacat gatgagatat aataaacata aggcactgag atacatcata 180
 gacacttaat tgttggttagc tattatatta cttatcttag ggttttcctt catggtattt 240
 tgttggaat gataaaaaaa taaaacaaat atgtaagggc ttgtaaaacc caagattcag 300
 tatacctact gcttctagct ttaattctag gctctgccat agttaggatg tttactcatc 360
 tgtagttcaa aactcacaca gctcaagact gacacagctc acaattcaga agtcatgtag 420
 gcacctcaca gctcgttcc ttgccagtc tccaaactca ctccttcctt gactgtgttt 480
 ctaataactca ggctagagga cagcaggtc tagccttctc attatgtata taatgagaat 540
 actgtatttc atttaggcca gaggaagta gacacatata atctgagaat aatttattcc 600
 taggctatag gaatctacca tgagcttatt caatggangg acttgaggaa aagcacaccc 660
 acnaaaatca atgcattacc ttaactttaa taagcttctg cggattcttc tcctaccccg 720
 gt 722

<210> 24
 <211> 556
 <212> DNA
 <213> Homo sapiens

<223> n = A, T, C or G

aaaaagcctc	ttcctgatga	tcccaactca	gaggtcngtg	tttaccaaac	accttgggtca	60
taataatgtc	attagtttct	ccatttttat	tttctgaact	gtacattcac	aacttatgtt	120
tctttgagat	taatagatat	tgggggaaaa	acgccttttt	aggaaaaatta	tagtgaaaat	180
ttgacagttg	attggcataa	tttcttgttt	gaatgctgcc	tccattatat	aggtccttcc	240
aggaactcaa	acactgtaag	tgaaatatgg	gagtatagtt	tttattattt	cttcttttcc	300
ttttgttttc	ataatataat	gcagtttggt	caggaaatca	gcacaaagcc	tgatagtact	360
ttactaaaat	gactgcattc	tttggtattc	ttcagtctat	ggttcaagtc	actaaagatt	420
catttttggt	gagtccttat	gagaaacagt	agtatgaatc	ttgacggttt	ctgcccgctc	480
taatggcaga	gctctctgac	ttgggtgtat	gctgccaggc	tgggtacttt	catactttgt	540
tttcttgttt	tgcctt					556

<213> Homo sapiens

<223> n = A, T, C or G

aaagttctct	ccactcttca	agcctcgacc	accagatacc	accacttttg	caactgttag	60
ctctgggtcga	tcaacttttg	ttaatttctg	gtcaagccac	tctgatattt	ccactggtga	120
agtacttgat	gccttttctg	aactggcact	accgccactt	gttgctgcag	catcaaagga	180
tgttccacgg	acagaaaaca	ctttcacttt	ctcatcacac	ttactgtac	atagagcatt	240
tcctgcataa	atagtctca	caaagtgtc	aggtgacttg	attgcaatga	tgtcagaaat	300
nggggcaacc	tcaagtttg	ctgctactct	gggcaaaagg	ttctttccga	aggcagatgc	360
tccagcacag	atgtgtgtgt	aattgaactg	cttctgagtt	gccaaaatca	atggtgtcag	420
ttcctctgga	agtagg					436

<213> Homo sapiens

<223> n = A, T, C or G

ctgtaaggaa	cttcaccogg	atgaaattga	caccgactnt	gcctacattc	ttttctatga	60
gcagcagggg	atagactatg	cacaattttct	gccaaagact	gatggcaaaa	agatggcaga	120
cacaagcagt	atggatgaag	actttgagtc	tgattacaaa	aagtactgtg	tgttacagta	180
aagctaccac	tctggctgct	agacagcttg	gcggtgaggg	agatgactcc	ttgtagctga	240
catttggcaa	aagcgtcact	gaaaggcgaag	ctaaattgag	ttattttatc	ctgtggccct	300
gaagcacaaa	ataaaaaattc	taattaaaaat	cttaactctt	aagatgaqta	atcattttat	360

<210> 29
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 29
 cctgaatgct cagtgcctta tttggctttc aggggtcttg cgggtgcacc caggctagag 60
 tacagtgggtg caatcatagc tcaactgctgc ctcaaactcc tagactcaag cgatcctcct 120
 gcttcagcct cccgagtagc tgggactaca ggtagatgat gggctccacg ggaacagagc 180
 aaacgttcgc tcttgcctct acacgggtgtt tcctctaaac ctgagggtca gccgacttgt 240
 catcacttaa aacccaattc agagcggggg gcactgccag tgaatagttc atcaccgact 300
 cagtttcccc atgtgtatgc tgttggtattg gatcagcaac gagataagaa gatctctccc 360
 atttccaagc gtctatgatg attctgaggc acaaggtcac atttgacagt actaggaaac 420
 ccaggaaaca agaagcaagg atgacaaagg ctgtgtctgc ctgggcagac gatctatttg 480
 gacaagataa tagaccacag catggacatg ctctccaaga aagatgccct gacag 535

<210> 30
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 415, 416
 <223> n = A,T,C or G

<400> 30
 cctgcagcct acctgacct ctcttttagct gtcaccaaga aaataaaccc cactgtctct 60
 ctagcttggc ccttgtcttt cccttgcccc tgccatagca tgttcattag gggattcctt 120
 cctccccctt atctcacagg ggaagggaga ggaaagagtt gttctccac tggaaggggt 180
 tctgccttct gaggtgacat ccaggaaagt gtccccattc ctttctcctt tagatgctag 240
 aaacacattt tgattctgat catgggggtgg gggagagagg aaaggaggga ggggagaagc 300
 ccagcagaag ctgagccagg cagaggggaa agaagctgat atgangaagg gtctgacagg 360
 ccacagccct tgcagccgga gggctttccc acactcaaga gaggggcctt acagnncctc 420
 tgacaccctt ccccttcccc ctcgctccct ttgttg 456

<210> 31
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 31
 ttggacccaa gagaagactg cagcagacta cacagtactt cttgtcaaaa tgattctcct 60
 tcaaggtttt caaaaccttt agcacaaaga gagcaaaacc ttccagcctt gcctgcttgg 120
 tgtccagtta aaactcagtg tactgccaga ttctgtctaa tgtctgtcat gtccagattt 180
 actttgcttc tgttactgcc agagttacta gagatatcat aataggataa gaagaccctc 240
 atatgacctg cacagctcat tttccttctg aaagaaacta ctacctagga gaatctaagc 300
 tatagcaggg atgatttatg caaatgtgaa ctagcttctt tgttcacaat tcagttcctc 360
 ccaaccaacc agtcttcaat tcaagagggc cacactgcaa cctcagctta acatgaataa 420
 caaagactgg ctcaggagca gggcttgccc aggcattggt gatcaccgga ggtcagtagt 480
 tcaagaccag cctgg 495

<210> 32
 <211> 648

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434, 604, 622
<223> n = A,T,C or G

<400> 32
tggcagccaa aagatttttc ttagtgcttt ggagacattg cataggtgta aaattaagat 60
accagaactt cattctgttc ttgttgaagc tgttggtgtg gtgattcatg agcagtaagc 120
tggagttaga gtggaagaag ggtttaccaa aattcttcct acagactagt tgcttacagg 180
gtttctttga gaggttaaaa aatttcaaaa gtattattta agccactcta accctgcatg 240
aaaaattgga gttagaaata ctgatttctg agaccacgta taccagtga aattagcttc 300
tgagtaaatt tctaatttat gccctgcctt atttagcctc gctatatgta acacatggat 360
tattttttcc ctctagtttt taactatata ctgatttaaa accagcatat gctaagaatg 420
tttttacatt ctgnttcctc ctgtgatctt tctgaaccaa taataaacag tcaactgtga 480
tgcttttttag tatgaacaat gataagtttt ctaaaatctg aaaatcaata cctgagtatg 540
tgatgccggc aatgcattct tctagataag cactaaacca aagtatggac cctccattta 600
ttgnccttta gatttacccc cncgccggcg ggccgcttag gggccgaa 648

<210> 33
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

<400> 33
aaacatgagt agatctatga cttctcaaag ccgggtcang aatgtccata aaatgctagg 60
cattcctatt tccaatatatt tgatgggttg aaattatgct tcagatttgg aactggaccc 120
catgaaggat attctcatcc tctctgcact gaggcagatg ctgcgggctg cagatgattt 180
tttagaagat ttgcctcttg aggaaactgg tgcaattgag agagcgttac agccctgcat 240
ttgagataag ttgccttgat tctgacattt ggcccagcct gtactgggtg gccgcaatga 300
gagtcaatct ctattgacag cctgcttcag attttgcttt tgttcgtttt gccttctgtc 360
cttgaacag tcatatctca agttcaaagg ccaaaacctg agaagcgggt ggctaaaaaa 420
agggcctact gcaaaccacc cctccatatt tccgtacat ttacaattca gtttctgtga 480
catcttttt 489

<210> 34
<211> 501
<212> DNA
<213> Homo sapiens

<400> 34
ccagagtatt cacagagagc caaatctgtc actggcaaac cgcctttact acctctaacc 60
tgcagaagac gatgcagccg cttttctttt tgaaatgact ttgggatttt ttttaagcttt 120
tatttacttt ttttttaact gttatctttc tggatgaaac ttgggaaggg gattaggaga 180
tctagcattt tatttctagc attgctatcc accggttcc ttattttata tgtaaaaatt 240
aagattttat attttatctt cttgtttctc atagatatat tgtgagcatt tttttgttta 300
ttttgaagaa atgtggataa gatacttggg agtataaaac agactctctg agagtatttg 360

```

aaatgtgttt ggagatttac ttaaacgtac tttcaggagt gagcaagtc tacttataaa 420
cctatattaa ctttattttt gagatacctg ttttgaattt acctgccccg ggcggccggc 480
taagggcgaa atctgcagaa t                                     501

```

```

<210> 35
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 477, 529, 543
<223> n = A,T,C or G

```

```

<400> 35
ttgaatgaat taatgatggc ttctgagtca actttactgg ctcaggaacc acgagagatg 60
actgcagatg taatcgagct taaagggaaa ttcctcatca acttagaagg tggatgatt 120
cgtgaagagt cttcctataa agtaattgtc atgccgacta cgaaagaaaa atgcccccg 180
tggtggaagt atacagcgga gtcttcagat acactgtgtc ctcgatgtgc agaagttgtc 240
agtggaaaat agtattaaca gctcactcga gcaagaaccc tcctgacagt actggctaga 300
agtttgatg gattatttac aatataggaa agaaagccaa gatttaggta atgagtggat 360
gagtaaattg tggaggatgg gagtcaaaat cagaattata gaagaagtat ttcctgtaac 420
tatagaaaga attatgtata tatacatgca gaaatatata tgtgtgtgtg tatctgngga 480
tgatataatg tataatctctt cctatatata tccatagtgg acttattcng aacatagata 540
tgnattcagg cttgtctt                                     558

```

```

<210> 36
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 416, 445, 467
<223> n = A,T,C or G

```

```

<400> 36
aaagaataaa catttaatgt gagtaacatt ttggttaaaa taaatatcat agtaaattgt 60
aacagcaaca cctgaagtat atggatacaa gaaaggtgtt ttgtaataga tactatgttg 120
aatggtaaag cattcatgaa atggctgtaa tatcttacta aatttacaat cattgcacat 180
tggtgagcac tttattttata tagagatacc ctccatccac cattcctaaa cttaccata 240
caaaacaaag ttactccata ttttcacctg ggtaactggt accaatgtct aaataagggt 300
tagaatagat atagctttca ttttactgct cctcaaatca attcaaaagt ttaacttaat 360
caatataaaa tttacttatg aacacatata aagaacattt tatagggtgac tatatnaatt 420
acgagcttca aatcatcttc atagntcttt gaaattattc cattcanaat tagaaatttg 480
attgttacac a                                     491

```

```

<210> 37
<211> 593
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> n = A, T, C or G

aaatcacttc	tatcttctgt	acttaagaac	tcaagtatag	aaataaactg	tgggctgaag	60
taacattgta	acctgctccc	aacatgactg	cataggtgtc	taagggttaag	tgtgaagatt	120
actgtgagga	ctcaagttac	ttgactaatc	aatcccattt	gaatttcaat	ccaagcagcg	180
tattttacac	acacctgaag	gaaatatctt	cagtgtgttc	atgtgtgtgt	ctatgtgcat	240
gtatgtgtag	gggatagggtg	taattaggga	agggctgacc	gaacaacatt	gataagtaca	300
tgctagaagt	ctgctgttgt	tggtaacaca	gaaacataca	cagtcttcat	attcaaagtc	360
ttcacgggga	tgtcttctgt	aatttccgcg	gtttgggtct	cattcagaaa	cagcttttagc	420
ttcctgctcc	gaaggccaaa	caccttggtc	gcttcataca	gaagaccttg	gtgggtgagt	480
ccattctgcc	caagtgggtt	ttcaagcagg	agagtgccca	ctgtcccat	taaacactct	540
tgtggctctg	cattcaggag	ctgtagggtt	gaccttttaa	agctgaagag	tgn	593

<211> 649

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

ccagtatcgt	tttggtactt	ttgtacctct	atctgactcc	atgccctgc	aagtgtaaaa	60
ccaagagaca	gaaaaatatg	ctacacccaa	gcaatgccca	ttcatcgatt	ctcagtcctg	120
gccctgctag	tgatgcctcc	gctgatgaac	ggaaggcagg	tgcaggtaaa	agagtgggtg	180
ttttggaacc	cctgaaggat	gctgcagcag	ggcagaacgg	gaaagtcagg	ctctttccca	240
gcgaggcagt	gatagctgag	ggcatcctaa	agtccacgag	ggggaaatct	gactcagatt	300
cagtcaattc	agtgttttct	gacacacctt	ttgtggcgct	cacttaattt	gtgcctatat	360
ttgtatgatg	tcataattta	atctgttcat	atttaacttt	gtgtgtggtc	tgcaaaaataa	420
acagcaggac	agaaattgtg	ttgttttgtt	ctttgaaata	caaccaaat	ctcttaaaat	480
gattggtagg	aaatgaggta	aagtacttca	gttcctcaat	gagccagaga	aagatggggg	540
tgttttccaa	agtttaagtt	ctagatcaca	atatcttagc	tttttagcact	attggtaatt	600
tcagagtagg	cccaaangtg	atatgactcc	cattgncccc	tttattttta		649

$\langle 211 \rangle$ 312

<213> Homo sapiens

ctgaagaaaa	agcagtcatc	gatttttaagt	ccaatgggca	cattttatgac	aatcgggatag	60
ttctgaatgg	catcgacctc	aaagcatttc	ttgatagtct	accagatgtg	aaaattgtca	120
agatgaagtg	tcttgatgga	ggagacaatg	cagatagcag	taacacagct	cttaatatgc	180
ctgtttattcc	tatgaatact	attgcagaag	cagttattga	aatgattaac	cgaggacaga	240
ttcaaaaatac	aattaatgga	ttcagtatta	gcaattggact	ggcaactact	cagatcaaca	300
ataaggctgc	aa					312

<211> 386

<212> DNA

$\langle 220 \rangle$ $\langle 222 \rangle$ 34, $\overline{40}$

<400> 40

<210> 41

<212> DNA

 $\langle 220 \rangle$ $\langle 222 \rangle$ 95, $\bar{1}19$, 126

<400> 41

<210> 42

<212> DNA

<400> 42

<210> 43

<212> DNA

 $\langle 220 \rangle$

<222> 304, ⁻306, 326, 329, 357, 370, 434, 436

<223> n = A, T, C or G

<400> 43
 aaaaagcctc ttctgatga tcccaactca gaattcactg tttaccaaac accttgggtca 60
 taataatgtc attagtttct ccatttttat tttctgaact gtacattcac aacttatgtt 120
 tctttgagat taatagatat tgggagaaaa acgccttttt aggaaaatta tagtgaaaat 180
 ttgacagttg attggcataa tttcttggtt gaatgctgcc tccattatat aggtccttcc 240
 aagaactcaa acactgtaag tgaaatatgg gagtatagtt tttattattt cttcttttcc 300
 tttngntttc ataataataat gcaggntgnt caggaaatca gcacaaagcc tgatagnact 360
 ttactaaaan gactgcattc tttggattcc ttcaagtcta tggttcaagt cactaaagat 420
 tcatttttgt tgantnctta ttgagaaaca acaagt 456

<210> 44
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 44
 ccaagagcta caatgagcag cgcacagac agaacgtgca ggtttttgag ttccagttga 60
 ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
 atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
 gcctgatgtc taccagaagc cctgtgtgtg gatgggtgacg cagaggacgt ctctatgccg 240
 gtgactggac atatcacctc tacttaaatc cgtcctgttt agcgacttca gtcaactaca 300
 g 301

<210> 45
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 35, 39
 <223> n = A,T,C or G

<400> 45
 aaaaaataaa tgattatgat gtaattatta cttncagng tgttttgcaa taacttcaac 60
 ctgttaagag atacaaagaa ctatattaaa ctgggaacta caataacgta cacagaaccc 120
 tcttcaaaga aattaaatat attagatggt aaaatgtggt agaaagatgc agctttccca 180
 aagtagtaaa gtactgcaca tatgggtttt gtggcagtcc ttggaaatat cctaggtaga 240
 acttaatgta gaaataaaaa ggctaccaca tattttcaat ccaagtcatt tttacaagaa 300
 aaaaaaagtg acacaaaata atgcacttta agttggtagc atacacaagg ttatttttta 360
 gcctaacata gacaggccaa atcattgaaa taataaaaaat atagaaaaac ataaaagccc 420
 attaacttct gaatttttggg aaagaaacaa gaaagagccc aaagttttca gataggcaca 480
 cataatttag attagaaatg aaaatgggct ttaagcccta taaatattgt tttccaagaa 540
 aataagtttt gaaagtgcaa aatgacaact caaaaaggtc ccctttccac ctcatgcagg 600
 caaaggacat ttaaaagcac atccaactaa atcaaaaaag gggaggatta ggaaatcaca 660
 ctagttcatc cttcattatc agggctgggc ttcaaaccct tgaatg 706

<210> 46
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 46

```

atttatttct attaaaaatat agaagttatt gcaaaaccct aactgtaaaa acgcaccaat 60
ataatcggac tttgcataca gtagctaaga gaatccaaac atttcagtga gacagtgaat 120
ttgcctggta gaacgctgac aaattcccat ccacttgccc tcttgaaaat aaaaacaaaa 180
ttcaaaacaa atcatacagc tagaattttg atatctgaaa tattttt 227

```

```

<210> 47
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 47
gtctccacgc tgtgctggaga gggctctagc ccctcagtcg gacttctcct tctccttcat 60
gtgcaagaag acgatgctga agatgaagag ccccgagcatc atggagaagg cgctggcgta 120
gtaggggtag gccgagggga tgaagcgctc atactgcgtg tgcctggagtg gccgcacgga 180
tacctgagtg gaagagtaca ggtgtgtgta gcctagccgg ttgtaatcca ctttaaactg 240
gaatacacca tacacgtcgg gcaacttgaa ctgaacactg tatttgccac ctttcttctt 300
caggaaggtc ctcacaaaag gatcaatgcg gacaaactcc ag 342

```

```

<210> 48
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 26, 38, 52, 98, 120, 125, 149, 160, 163, 182
<223> n = A,T,C or G

```

```

<400> 48
ggataatatt catttancct tctgancttt ctgggcanac ttggtgacct tnccagctcc 60
atcagccttc ttgtccactg ctttgatgac acccaccnca actgtctgtc tcatatcaen 120
aacancacct ccgccgcaac cacactaang gcgaattctn canatatcca tcacactggc 180
gnccctcca ccatgcatct aga 203

```

```

<210> 49
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3, 9, 33, 36, 42
<223> n = A,T,C or G

```

```

<400> 49
ttngccggna gtacttgaga tccacagtca cgngancttt gncggtctct ttacatctgc 60
ccacttcatt ttcatctctt ccttcccaca caatggtttt tccaatgtgc aagaatgatt 120
tctcgacaaa ttcccggaac ctatggacct ccccgagtagc tataacgaag tcctccggct 180
catcattctg caacatcaac cacatagcct ccacatagtc cttggcatgg cccaatctc 240
gtttggcatc cagatttccc aaactgaaac attccagttg tccaaggtaa atcttagcta 300
ctgaccggct aatttttoga gtaacgaaat tagctcctct tctgggactc tcatgattga 360
agagaat 367

```

```

<210> 50

```

```
<220>
<221> misc_feature
<222> 2
<223> n = A,T,C or G
```

```
<210> 51
<211> 315
<212> DNA
<213> Homo sapiens
```

```
<400> 51
ntttgtccgg caccctgcc acaggctgag ctacagccca ggccctttca ggcatctaga 60
cactcccata gcctgtcggg ctggggcaag gagatcccag gtcacacata ctcccttgga 120
gagttggact tagggtgaaga gcggggtgca cggtaaccag ccttgcctct attcccagga 180
caggaacagg agagcagtg acctcccagg atgactaggg cagaccctgc ccagccaata 240
aagatggcag ggccaaactc ataacttaatg ttggtaggga tcaaagggtt ataaaagtct 300
gtgacaatct gatgg                                     315
```

```
<220>  
<221> misc_feature  
<222> 35  
<223> n = A,T,C or G
```

```
<400> 52
tgcattccaca gacttcaact acatgattac ttctntgcc attcttctct ttcttttctt 60
tcccgaataa cctctttcag atacggttca aggtagaat ttctctcttc atatttggtc 120
```

```

cactgctctt taggcaagat ctgatgcttc aagttcaggt ccagtgccct cttaatgcga 180
aacatcctgt cattataaag gttctcagga agtcttctta tggttcttt tacatcttca 240
tcctcgata ttgtatcatc tcgcattaac cccagtttat tgaatcctgc agcattgtaa 300
taccattttc gaataccatc cagccacttg cctgatgctg aaacggcctg cttaccag 358

```

```

<210> 53
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 36, 41
<223> n = A,T,C or G

```

```

<400> 53
ccaagagatc agcacaacct ttgcaggctg acttgntaag nctgacagtg acaaacttgt 60
gagcttactg cagtcagtca cagaggctgt tctttttcac acaccccttc atgcccggt 120
ttccccatat ccacatgcag agggcgagct cataaaacta caggggaagcg tgaaatgatg 180
gctttggtag ctgtttactg ggtaacccca ctgtgacact gtccttttca cgtgatgtgg 240
aaacctactt ctgtcctcca aacctatgaaa tgtgtcatct agactgcaga gtacttgagt 300
gctttgcctc ccgatatgcc agagcttggt gtccaaagcc cattcctgtg tgtccgtcct 360
gccatttagc cacagaaggc tgcggagtga ggcggcagct agcctgg 407

```

```

<210> 54
<211> 571
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 37, 43
<223> n = A,T,C or G

```

```

<400> 54
cnacaaacag acctaaaatc gctcattgca tactctncaa tgnagccaca tagccctcgt 60
agtaacagcc attctcatcc aaacccctg aagcttcacc ggcgagtcac ttctcataat 120
cgcccacgga cttacatcct cattactatt ctgcctagca aactcaaact acgaacgcac 180
tcacagtcgc atcataatcc tctctcaagg acttcaaact ctgctccac taatagcttt 240
ttgatgactt ctagcaagcc togttaacct cgcttacct cccactatta acctactggg 300
agaactctct gtgctagtaa ccacgttctc ctgatcaaat atcactctcc tacttacagg 360
actcaacata ctagtcacag ccctatactc cctctacata ttaccacaa cacaatgggg 420
ctcactcacc caccacatta acaacataaa accctcattc acacgagaaa acacccctcat 480
gttcatacac ctatccccc tttctctcct atccctcaac cccgacatca ttaccggggt 540
ttcctctcaa aaaaaaaaaa aaaaaaaaaa a 571

```

```

<210> 55
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<400> 55
tcttagcggc tgctgttggt tggggggcgt cccgtctcta aggcaggaag atgggtggccg 60
caaagaagac gaaaaagtcg ctggagtcga tcaactctag gctccaactc gttatgaaaa 120

```



```

gtgggaagta cgctcctgggg tacaagcaga ctctgaagat gatcagacaa ggcaaagcga 180
aattgggtcat tctcgctaac aactgcccag ctttgaggaa atctgaaata gagtactata 240
ctatgttggc taaaactggg gtccatcact acagtggcaa taatattgaa ctgggcacag 300
catgcggaaa atactacaga gtgtgcacac tggctatcat tgatccaggt gactctgaca 360
tcattagaag catgccagaa cagactggtg aaaagtaaac cttttcacct acaaaaatttc 420
acctgcaaac cttaaacctg caaaaatttc ctttaataaa atttgcttgt ttt 473

```

```

<210> 56
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

```

```

<400> 56
tgctggcagt aactggcaag aagacaacaa gaccctagtn ctggttccaa tttaggtggt 60
ggtgatgacc tcaaacttcg ttaattaata gcacaacaga tgtgtgctgc ccatctttac 120
atacacattg cttctagtgt gcagaaataa ttgattaaaa gaccagaaac tgtgataact 180
ggaggtacta cgggtctatt ctcaacctta ggcagtaata gacatcacia actgccatgg 240
ttttgcacta tgattataat acctgcattt ctaatttttt aagcatgtag ccagtaataa 300
tttgaagttt tttttctatg caagcttacc ttgttggcat tatttttaggg agttgaaact 360
atcaactgta aagctccttt tcttccactt taattt 396

```

```

<210> 57
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<400> 57
ctgcccccca cccttccttt cgatgacaac gtttgcaggc ttcaggggga ccagggaaca 60
aagctggggc ctggcagccc cactacgctg ccagccgggg agaacaagtc acaattacaa 120
attatcacaa caattagcgc ctgtacttgg gggatctgca aattgaggag gccccagctc 180
ctcattgtac acgggtctat ttggcagtga ccttgctctg gagacgatga tattccttca 240
gcctgaggga attgatgttg atgaaccogg tggcatcagt tggctcataa tcacctgca 300
cgttcatgct caccagctcc tcattgtaga gagacagtgg ggactcccgg ccgaggatgt 360
acacctggcc cttgaggacg gacaccogca ctttcccttc cactcgctcc tgggacttgg 420
cgatgcagtg gcggacaaat tcacactcag ggctgtgcca gaaaccggta tacaccagct 480
cagcaaattt caagcccagg 500

```

```

<210> 58
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 258
<223> n = A,T,C or G

```

```

<400> 58
ctgcctcaca ccgccccttg tgctcgctc atagggtgtt atttggactc taagctctac 60

```

```
<210> 59
<211> 529
<212> DNA
<213> Homo sapiens
```

<400>	59						
ctgtanactt	gacctcaaag	attccatcct	caatagttag	gattgacaca	tcaaaagtgc	60	
cacctcccag	gtcaaagatg	agcacgtttc	tttctgctcc	aacctttttg	tctaagccgt	120	
aagcaatagc	agcagcagtt	ggctcattaa	taattctaag	tacattgaga	ccagcaatag	180	
ttccagcatc	tttggtagcc	tgacgtgtag	agtcattaaa	gtaagctggc	actgtgacca	240	
cagcattggt	aacagtcttc	ccaaggtagg	cttctgcaat	ttccttcac	tttgtcagaa	300	
ccatagaaga	cacctcctct	ggatagaagc	tttggtctc	tcccttgtag	tctacttgga	360	
ccttgggctt	gccagcatca	ttcaccacca	taaagggcc	atgtttcata	tcagactgga	420	
caacagcatc	atcaaattctg	cgtccaatca	gacgtttggc	atcaaaaaact	gtgttggtgg	480	
ggttcattgc	aactnqattc	tttgcggcat	caccgcattc	accgttcaa		529	

<400> 60						
aaagtacaaa	atcaaataca	cagatccagc	agatccagat	atgtgaacca	tatatacata	60
tctatacaac	cattattttag	actttcacaa	acctatctat	acattctaata	ttatctatca	120
acactatccc	ttaagtaaaa	agcaacatat	ctcttaagta	ggtttggtat	cagtaacact	180
atcgaatgta	aattatttttc	acttcatcac	ttgaaacggt	agaaataggt	acctcctaga	240
aactggagaa	ttaccaagca	tatatccaat	ttgtatagat	ttcttaaaat	acattctata	300
ggaataatta	accgaagaaa	ctgccaatca	aagttttttg	gcataatttaa	caaaacttga	360
gtcatgggaa	gacataaaagt	taattaattg	cattacaaga	gttttgtttt	gactttgggt	420
						422

```
<210> 61
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 378, 461, 463  
<223> n = A,T,C or G
```

```
<400> 61
cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtggcttt 60
ggtgtgctgg cctcggacac gaagggccca gaagtgaacg agcccttat gggccccaat 120
```

cttcttcagt cgtccaggt cttcacggag cttgttgctc agaccattgg ctaggacctg 180
 gctgtatatt ccatacttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
 ctggcggtga ttctgcataa tggatgacac acgttccacc tcatcctcag tgagttctcc 300
 cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagnga tggcaaaggc tattttccgc cgccatcgat gttggtgttg 420
 agtactcgca aaatatgctg gaacttttca gggatcacta nanacatggc tgcagcacia 480
 gcggcg 486

<210> 62
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 62
 ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttgcaa catgcagggg 60
 ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag 120
 aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
 gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag 228

<210> 63
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 63
 ccagctcctt gcaggttgcc ccagtcacag agcctccata aatgatacgg gtgctctgag 60
 ccaccgcatc agagacgttg gaattcagcc atcctcggag cttctcgtgt acttcctggg 120
 cctgttgggg tgttgcatc ttgccagtac caatggccca cacaggctca taggccagga 180
 cgaccttgct ccagtccttc acgttatctg cgatgacctt tgtctgctcg aaaacaacct 240
 tctcagtgat gccagcttcc ctttcatcta gcttctccc aatgcaggcg attactccga 300
 gtccctctgc cagagcatgg gccactttct gcccaatcag ctcactctgac tccccaaaga 360
 catgccttct ctctgagtgc cccaggacca cccacgtggc tccgcagtct ttgatcatgc 420
 cagggtgat ctccccagta aaagcccat tagtcacttt gtagcagttc tgcgc 475

<210> 64
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 64
 ccaacggtgg ccgccgcctt attgctgact gccacccagg actgctggat cctctggtac 60
 cactggatga ggggccggga catactgact gcccctttga cccacaaga atctatgata 120
 cagccttggc tctctggatc ccttctttgc tcatgtctgc aggggaggct gctctatctg 180
 gttactgctg tgtggctgca ctcaactctac gtggagttgg gccctgcagg aaggacggac 240
 ttccagggga gctagaggaa atgacagagc ttgaatctcc taaatgtaaa gggcaggaaa 300
 atgagcagct actggatcaa aatcaagaaa tccgggcac acagagaagt tgggtttagg 360
 acagcaggtg ctgttccgag actcagtcct aaagggtttt ttttcccact aagcaagggg 420
 ccctgacctc gggatgagat aacaaatt 448

<210> 65
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 65
 aaaaatctca aatgaaaaag tcttcgatac aatattgtta agctgtatta taagtattgt 60
 tacacagggt tatgcaattc cgggcctgga gcatttttga aattcaaatt gtctgtcctg 120
 tggagcaggc agtgattttg ttccaaaact ttgtatacac atttggagaa aagtacttta 180
 tattttcagt gttttgtctg attttaaatgt ccgttcttag ccaagctgct agcagggtgtt 240
 aattggatcc ctttccttca ctgaaatgga agagtttata agcttacgtt agtattgtaa 300
 tatgtaaagt aagcccaaca aaaattttt 329

<210> 66
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 66
 aaacagattc ttggactggg ggttcataac catcagctcg ttcaacttta gcacctgtct 60
 cgtccccagt ggcttttcca gaactactgc cttcaccatg aagctccatg agctttccca 120
 attcaaactt gggcttcttc agcattttta cttttctgac gaagacatca tggagaggat 180
 aaatagattg gcaagccttt tctatgtctt ttccaatgct gtctggaatc aatttattga 240
 ccacttcttt caagtcattt gtctgcacct ctcggtcat gatttccatc atcttcttcc 300
 ggatttgccg gacctgttgg tgctgagcat aagaggtctt ccgtatctga ttgttgcgtt 360
 ttttagtaaa accaacacag aacagacgaa gcaagtaacc atcggtagtc ttgac 415

<210> 67
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 67
 atacgccagc ttggtaccgg agctcggatc cctagtaacg gccgccagtg tgctggaatt 60
 cgcccttgcc gcccgggcag gtcctgaagg aagagctggc ctacctgaag aagaaccatg 120
 aggaggaaat cagtacgctg agggggccaag tgggaggcca ggtcagtggt gaggtggatt 180
 ccgctccggg caccgatctc gccaaagatc tgagtacat gcgaagccaa tatgaggtca 240
 tggccgagca gaaccggaag gatgctgaag cctggttcac cagccggact gaagaattga 300
 accgggaggt cgctgg 316

<210> 68
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 68
 ttctgtcca tgacagattt cacctgggtc ttcaacagag gaagggtccc cttctccagg 60
 gcctcagcca caaactgctg ctcttcagac agctctagca gggcatccag gaagtccaga 120
 atggcttttg caccgcttc taccaagacc ccagcagcat taaaaaggct gcttaggaga 180
 ggcttgtctg ggtcctccat gtgtagctcc ccggaaatca ggacctcaga tactctttgc 240
 tctagatcct gccgaatata ctcttgccg aggcacttag cgaggagtt tagcacatct 300
 tttctcttct cctctgtcag gtccttgagg acactctcca tgtctccaa cttctccttc 360
 atgtttctgg aatcctccga acccaaaagc tttcctgtag aggcagcaat tgagaacctg 420
 ggccaccag cccaaaagg tttatttcta aggctctgtt atttgtctga ctgtcttctg 480
 gagaccacct ctttgtatct tcccttc 507

<210> 69
 <211> 626
 <212> DNA

<213> Homo sapiens

<400> 69

```

aaatgcaaac aattcattta ccatttcttt gttttagtgc atctgcatta aggccttgaa 60
ttatttgacc caagatttta caatattaaa atctgactca aaattttaca atgttaaaac 120
aaataggtcc acaaccatac tacctactgt gtctcactga gtcagcatag agttaaaagct 180
caacacctta aggaaatggg agcagagaca tttgctaata tctaagaagt tacatatata 240
gtttttaatt aaaggatgta taataaaaca aatagcttag tggcaagaaa ttggtgctaa 300
taaacaaaag gtttttcaaa agaaattgta acatctttgg aaaactgtct ggttctaagt 360
tcccacttcc tttagttccc acggagttca tgcagataca tttcttaaga caatcttaaa 420
gtacactgtg gatggaaatg gaatgtacat ccagaactag aggtgaaaac taagacctgg 480
gtgctgatag aaaaatcttc ctgatttcag tcgtcacaca tttgtgtcct ggagtaaagg 540
ttctttggcc tctcctggcg cttgtgtatt atgaggatgg ctgtgactgc cacagtgtt 600
tctccaactg ctggacctta agctta                                626

```

<210> 70

<211> 494

<212> DNA

<213> Homo sapiens

<400> 70

```

gttttacccct ttctaaacac tgtccttttt gaaagttttg aatatatcca cattctattg 60
aaaccttgaa actaaaaatt tagactctta tcgtcatctt aagttcttca tgctactctt 120
aacctcccaa aaagcagtat ctaagtcaca tacatgatgt cttgggcatt ttctgagcca 180
tggagaactc tgaaaggaag aatcgtgtct tttctcaagc aaatcggttt cttgatgtct 240
tttggttctc cttgcctgct cctgatgctt ggaccctttt tattgatcag agtgccttag 300
aataatggat ggtcttggat gatggataaa tagggacagg gacagttaaa ttgggagcct 360
ttcttacaac cttgatggga tttttccccc caagtttcct tctccactga aatgccacac 420
taatgcttgt tggattcatg aggtggacct gcccgggcgg ccaagggcga attctgcaga 480
tatccatcac actg                                494

```

<210> 71

<211> 294

<212> DNA

<213> Homo sapiens

<400> 71

```

ctgcttcaag acctcagctt catgggaactt gcgcttttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaaa gatccttctt ctttggaggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtctgtct cagtccgagc cgcc          294

```

<210> 72

<211> 329

<212> DNA

<213> Homo sapiens

<400> 72

```

aaatttgagc aaaaaaaatt tattgtacaa ttaccaccca ctggatttga ctcagagagg 60
acccccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggcccccga ggaagggtgac atactcctgg aagttcacct cctggctcct 180
gttccgggtcc aagtcttcca tcagccttgc aatttcagca tcctgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctccttcag ctcttcttgg ctcagggtgt gcttgtcacc 300

```

329

<400>	73										
aaatatcaca	agtaggtctt	aagtgtcatc	tggcatcttc	tttctgtagc	caggtaactc	60					
ttagatctta	ttcatcagcc	tgctgaacag	ttcctttttc	agagacatag	ataccatcca	120					
aaaatttcct	gatatccttg	ttttaactg	ttgtggcttg	ctgaatcaaa	gccgctgaat	180					
ttgaaacaag	ctcaatgtca	tttccttcaa	ggattaattc	atctttctgg	gcttgagata	240					
ctgaacaagc	aacacctggt	ctcatccgaa	ccctgcggat	gtatttttca	cccaagaaat	300					
ttcggatttc	aacaagagac	ccatttcctt	ggataacaac	gttgatgggg	aagtgagcat	360					
acacagacct	catcttgtaa	cgggaagcca	gtgtaacacc	cttgatcatg	ttctgtacat	420					
gactacaaat	agtccgaacg	gtageccagtt	cctttctggt	accccaccat	ttgtcaacct	480					
ggagcctctt	ttttttcttt	ccaagaaggc	tgagttctac	attgatg		527					

```
<400> 74
aaaatttttaa ttggctagct cttgccctta tatgacttta atgtctgtga gtcattccca 60
gcttaaatta acaattgtta gtattagtct cacacataag tgccatacat tttatcctca 120
tggatgtgat gcactgaaaa gttagttgct ctcccttttt cttttttttg togtgcata 180
tttatttctg tagtttctgg ttaagctacc taaagtgatt t 221
```

```
<400> 75
cgccagcttg gtaccgagct cggatcccta gtaacggccg ccagtgtgct ggaattcgcc 60
cttgccgccc gggcaggtcc tgaaggaaga gctggcctac ctgaagaaga accatgagga 120
ggaaatcagt acgtcgaggg gccaaagtgg aggccaggtc agtgtggagg tggattccgc 180
tccgggcacc gatctcgcca agatcctgag tgacatgcga agccaatatg aggtcatggc 240
cgagcagaac cggaaggatg ctgaagcctg gttcaccagc cggactgaag aattgaaccg 300
ggaggtcgct gg                                     312
```

```
<400> 76
ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acggtctggt 60
tctgcagctt tgaaagggtg attctttcta ttagcacact ttacaagagg gattgtaaag 120
gattaactca gtcaccagaa acgaaacacc acttcagaaa ttcagagacc totgatcaac 180
agaacagaca tttgggcttt aactgctaaa gcagctacct acttggggaa accatggcat 240
tctgctgcct ggacagcagg aattaagaga gatttcagag ttactggcac gaggacaaag 300
cctctcagct cqcttcacct tqgcaacctt aaac 334
```

<210> 77
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 77
 aaaatccctc aaaaactggt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
 taggattttct ggtagcgagc gcgggcacca gggcctccaa acttttttga ctgcgagcga 120
 cgagggtcag ctaccagcag ggtagcggtca tactggatga ggatgtcttt gatctccttc 180
 ttggaagcct catccacata tttctggtaa taggccacca gggcttttga gatggactga 240
 cgatagcat aaatctgggc cactgacca ccacccttta cacggacacg gatgtctaca 300
 ccagcaaatc gtccttggc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
 cgcggtcaa tcatctccag gggccgcccg ttcaccttga tgagaccatt gccgcgtttg 420
 cagtgcgcca cag 433

<210> 78
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 78
 aaaatcttga gggattgatc tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtg cttgatcacc agcttaatgg tcagatcatc tgtttcaatg 120
 gcttcgtcag tatagttctt ctccaggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatagag cctaggagtg 240
 ccatcaaagt cgaaacccac gatgagggca gagatgcaa acggcctgcg cccattgctc 300
 tgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcggcgg tgagg 435

<210> 79
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399
 <223> n = A,T,C or G

<400> 79
 ctgtgccata agagcattag gtggtttttag ctcttatctg gggatgaaa gcaatttagc 60
 tcatctcaca gaaacaaaag cagggtgctga atcatgaaaa cctcaattat ttttagcatg 120
 cctcttaatt tttctttccc ctggttttctt gtgctctgtg cttgattctt gaacaggtaa 180
 ccacttgaga ggatgccggc gatagatggg ccattggagga agtgtcagca aacatgaaaa 240
 agcaaatccg gccataacta tatagacagt ccaccgaac tggtcagcca cgtaccctga 300
 gataaatcca actattgcag aaaaaagaat aattccctga aacatctgtt cagctagctt 360
 ctggcccttg taatccatct gcgtgggcag cgagctcana tgctccagca tggctggctg 420
 aggagg 426

<210> 80
 <211> 38
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 18

<223> n = A,T,C or G

<400> 80

tttgttgccc caaatggntt ttttaccaag cctttttt

38

<210> 81

<211> 459

<212> DNA

<213> Homo sapiens

<400> 81

```
ctgatatctc ctggtgctat ccccaaactg ccactcttaa ctcttgaagt aaataaataa 60
tctttgctgg caggactatg ccaaactctc ttaagcactc tctaatacaga catcaagtcg 120
tcccatttct tagacctttt atacctgttt ttctccttct gttattccat ttagtttttc 180
aattcataca aaaccgtatc caggccatca cctatcattc tatacgacaa atgtttcttc 240
tagcatcccc ataatatcac cccttaccac acgacctccc tccagcttaa tctctccac 300
tctaggttcc cagccgccc ctaatccgc ttgaagcagc cctgagaaac atcgcccatt 360
atctctccat accaccccc aaaaattttc gctgcccac cacttcaaca ctattttgtt 420
ttatttgtct tattaatata agaaggcagg aatgtcagg 459
```

<210> 82

<211> 204

<212> DNA

<213> Homo sapiens

<400> 82

```
aaataccggt ttttacaccg ttctctcggt acttttttaa gctaagtcag cattgtcttc 60
cagtgttaaa ggcacccctc acctctgcat tgaacttaac tatccatgcc aaggaatgga 120
atttccatcc tgagccagtt cagttagggtg tcaattgata ctattttaat tttttatgca 180
atctgatgag atgagctcag attt 204
```

<210> 83

<211> 411

<212> DNA

<213> Homo sapiens

<400> 83

```
ccagacgttt ggcacaagga tcttcatggt taattgcctc gtgcatttct ccttccgcaa 60
ttatactaaa tattttgggc agattggtat tgtttgggcc aagaacaatt ggatgattac 120
tttcaatcag gtcacacaga taattgaaag tctgaacagc ttcttcttta tcttcatgta 180
gtggaagcca agacaaccag tgtggaagga cctcttcaac gtttacacag tcaggcttga 240
acttcatgat tttccctact gctgagatgc agttctctgt agcattgaca ttttctttgg 300
tcttagaatc cgcagactga ataactctta ccagcagggg aagtgttct gtacaaaaag 360
ggcgataatt atctccaccg tactgtgcca tgactcccag gccatatgca g 411
```

<210> 84

<211> 356

<212> DNA

<213> Homo sapiens

<400> 84
 ctgaaccaga tcaaaaaccc cattgagaaa catggggcca acatgggtccc catcaaggat 60
 tacgagaaca agaactccaa aatgtctaaa ataaggacac acaattctga agtagaagag 120
 gacgacatgg acaaacacca gcagaaagcc cggtttgcca agcagccggc gtatacgctg 180
 gtagacagag aagagaagcc ccccaacggc acgccgacaa aacacccaaa ctggacaaac 240
 aaacaggaca acagagactt ggaaagtgcc cagagcttaa accgaatgga gtacatcgta 300
 tagcagaccg cgggcactgc cgcgcctagg tagagtctga gggctttag tttttt 356

<210> 85
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 319, 327
 <223> n = A,T,C or G

<400> 85
 ccgccatcac accctggact cctgcagggg aggacacacg gaggtggaca actgcagata 60
 cacttactcg gagtggcaca gttttactca gccccgtctt ggtgaagaat ccattagagg 120
 acacactctg attaaaaatt aaacaatgaa agaaagtgtg tctgtgtaat caagatgaaa 180
 atcacaagca tgcccaagac tatgtcctga catataacta tgaaggaaga ggatcgggtg 240
 ctgggtctgt aggttggttg agtgaacgac aagaagaaga tgggcttgaa tttttggata 300
 atttgagagc caaattttang aactancag aagcatgcat gaagagatga gtgtgttcta 360
 ataagtctct gaaagccagt ggctttatga cttttt 395

<210> 86
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 86
 ctgtaggaac tactgtccca gagctgaggg aaggggattt ctcaggtcat ttggagaaca 60
 agtgcttttag tagtagttta aagtagtaac tgctactgta tttagtgggg tggaattcag 120
 aagaaatttg aagaccagat catgggtggg ctgcatgtga atgaacagga atgagccgga 180
 cagcctggct gtcattgctt tcttctctcc catttgagcc cttctctgcc cttacatttt 240
 tgtttctcca tctaccacca tccaccagtc tatttattaa cttagcaaga ggacaagtaa 300
 agggccctct tggcttgatt ttgcttcttt cttctgtggg aggatatact aagtgcgact 360
 ttgccctatc ctatttgga atccctaaca gaattgagtt ttctattaag gatccaaaaa 420
 gaaaaacaaa atgctaataga agccatcagt caagggtcac atgccaataa acaataaatt 480
 ttccagaaga aatgaaatcc aactagacaa ataaagtaga gcttatgaaa tggttc 536

<210> 87
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 87
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```
<210> 88
<211> 512
<212> DNA
<213> Homo sapiens
```

<400> 88						
ccaacacctt	cogtggttt	actcagctcc	agactctgat	actgccacaa	catgtcaact	60
gtcttgagg	aattaatgcc	tggaatacta	tcacctctta	tatagacaac	caaattctgtc	120
aagggcacaaa	gaacctttgc	aataacactg	gggaccacga	aatgtgtcct	gagaatggat	180
cttgtgtacc	tgatgggtcca	gggtcttttgc	agtgtgtttg	tgtctgatgg	ttccatggat	240
acaagtgtat	gcgccagggc	tgtttctcac	tgtttatgtt	cttcgggatt	ctgggagcca	300
ccactctatc	cgtctccatt	ctgttttggg	cgaccacagc	ccgaaaagcc	aagacttcac	360
gaactacata	ggtcttacca	ttgacctaac	atcaattctga	actatctcag	cccagtcagg	420
gagctctgct	tcttagaaaag	gcattctttcg	ccagtggtatt	cgcttcaagg	ttgangccgc	480
cattggaaga	tgaataattg	cactcccttg	gt			512

```
<210> 89
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G
```

<400> 89						
ccaaccttcc	tgtgccccagc	ctgcagacag	gtggcctctg	gtgggttccag	gatctcacgg	60
tatccgatcc	catctacata	ttaccactgg	cagtcactgc	tacaatgtgg	gctgttcttg	120
agctagggtc	tgagacaggt	gtgcaaagtt	ctgaccttca	gtggatgaga	aatgtcatca	180
gaatgatgcc	cctgataacc	ttgcccataa	ccatgcattt	ccccacggca	gtgtttatgt	240
actggtcttc	ctccaatttg	ttttccctgg	tccaagtatc	ctgtctccgg	attccagcag	300
tacgcactgt	acttaaaatc	ccccancgtg	ttgtacatga	cctggacaaa	ttacctccac	360
gggaaggctt	cctagagagc	ttcaaaaaag	gctggaaaaa	tgtctgaaatg	acgcgtcag	419

```
<210> 90
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 152, 189, 190, 228, 275, 298, 325, 336  
<223> n = A,T,C or G
```

```

<400> 90
cctgggtgcg aagcatgttg gcttggccct tcacggtcct ggagggaggt gaggctggcc 60
ttggaaggcg tgccctggag aggtcttggg tgaaaacttg accttgaaga aaccaatcac 120
aaaagcggcg ttgggtcatg ggctaggctt anaggtgaag catcaacatg gaaccatctc 180
aggaagccnn atgcctctt ccgaggteet cacttccggg agcctgtnt tgcaagatgc 240
aatcatcggt cctgcttttt cattgtcatt aaatnctgta caaaccatt gtcattanct 300
ccaagtgtaa atttgggtca agganacaga ataatnatgg gaatctcgga gttcgacacc 360
atag 364

```

```

<210> 91
<211> 134
<212> DNA
<213> Homo sapiens

```

```

<400> 91
ccttttactg cgtctatatt cctctaactt ccttaatgat caatcaaaaa aagtaacacc 60
ctcccttttt cctgacagtt ctttcagctt tacagaactg tattataagt ttctatgtat 120
aactttttta ctgt 134

```

```

<210> 92
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317
<223> n = A,T,C or G

```

```

<400> 92
ccaccatgga gaacaagggt atctgogccc tggtectggt gtccatgctg gccctcggca 60
ccctggccga ggcccagaca gagacgtgta cagtggcccc ccgtgaaaga cagaattgtg 120
gttttcctgg tgtcacgccc tcccagtgtg caaataaggg ctgctgtttc gacgacaccg 180
ttcgtggggt cccctgggtg ttctatccta ataccatcga cgtccctcca gaagaggagt 240
gtgaatttta gacaattctg cagggatctg cctgcatect gacgcgggtg cgtccccagc 300
acgggtgatta gtcccanagc tcggctgcca cctccaccgg acacctcaga cacgcttctg 360
cag 363

```

```

<210> 93
<211> 97
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 88
<223> n = A,T,C or G

```

```

<400> 93
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaanc caaaaaa 97

```

```

<210> 94

```

<211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 244, 429
 <223> n = A,T,C or G

<400> 94
 ccaaaaagttt agcatattct gcagcctctt ctttattttt cttggtacgc tgcttcttca 60
 gagcaatacgc ccgccgtttg tgctgcagga cagctggagt aacaagacgc tgaatcttgg 120
 gtgcttttgt cctaggtttc ttaccttctt tatttaaggg ctttcttaca acatactggc 180
 ggacatcatc ttcttttagag agattgaaaa gtttgcgat tctgctagct cttttggggc 240
 ccangcggcg aggcactgta gtatcagtca gtccaggaat atccttctct ccttttttta 300
 caataaccaa gttgagaacg ctcagatttg catccacaat gcaaccacga actgattttc 360
 tctttctttc tccagttctc cttggtctgt aacaggaatg ccccttactc agtagcaggc 420
 ggacacggnc atgggtcaag acacctgct tcatggggaa accttgtttg tcgttcccac 480
 cactgattcg gaccaca 497

<210> 95
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 357, 370
 <223> n = A,T,C or G

<400> 95
 aaaagacaaa aacaaaacaa aaataccaca gctcaagata aagagtccta tacagaaatc 60
 acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
 gcctgggtca gggctcctgg ctggtgacct gctttgagta ggtttcttgc aggtacttct 180
 taaaagctgt ggggtttttc cagagctcgg cagcatgtgt gttcaaggga ctatcaatgt 240
 tgggttctcc tagaaggctc tggatggaga gcagaatggt cctgacatca tacagggcag 300
 accacttttc cttcaggatg tccaggcata tgttaccctg ggtgtccacg ttggggngat 360
 agcagggcgn gaggaacttc actgtgggcg cattgtaagg gtagccactg gggaactcta 420
 gcgagagctt atacctcagg tcttcatata ctgttccag 459

<210> 96
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 96
 ttcgaaagca tcttgagagg aacagaaagg ataaggatgc taaattccgt ctgattctaa 60
 tagagagccg gattcaccgt ttggctcgat attataagac cgagcgagtc ctccctccca 120
 attggaata tgaatcatct acagcctctg ccctggctgc ataaatttgt ctgtgtactc 180
 aagcaataaa atgattgttt aacgaaaaaa aaaaaaaaaa aaaaaaaaaa 230

<210> 97
 <211> 535
 <212> DNA

<213> Homo sapiens

<400> 97

```

aaaattattc tcttctaacc aatgaagtgt ttgtcagtat gcccacaaagc ttgctctttt 60
gtgctccctt ttgaataact ttctatccag aaaaagagat tatttgggac ttgagatttg 120
cagtataacc aacttatagc aatgatgtac tttaaggga ctacccaact atgttgtgat 180
agaagaaaga gaaaccttca ctttggcatt ttttttaatc actgtttatt tttctgtttg 240
cggcccagga agcagtggga ggtggtggca gatatgcttt gcatatggat tgttatgttt 300
ttatttgggc aagtttaatc atggaaaact caaaaagaag gggggaaatg gtcagtttaa 360
gccaaaagaa acttttctaa caatgtatag gtacacagca aaattaaaca aatccaacaa 420
tttctgaagc ttagtgtaat tgagtgggtg ttgttattca ataaaattat tcccaaaagt 480
gtttctccta agagtgcagt tcccatgagt cacttcctga acccattgac caaag 535

```

<210> 98

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 252, 255

<223> n = A,T,C or G

<400> 98

```

aaaataaaaa aaaatttgca cttattcctc acaaaatctt cacttttga actatcccaa 60
ttgaagctac acactgaatt tattaataca gcattaagtt tctttgtgta aaaaaatctt 120
tgtacacagt aataaaaaaa gataaggcaa gatgcattaa acagaaacct tctggctctt 180
ttcctctgcg tttttacaga gccactgatg actatctgca acaaaagagt taagtttctg 240
attttccgta tnaan 255

```

<210> 99

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 162, 183, 315, 318, 324, 326, 357, 522, 571, 599

<223> n = A,T,C or G

<400> 99

```

aaataaaaaag agatccaaat caagatcctc actacccctt acccctcaac taacccctt 60
tagggccaca ttttcttctt gctcctaaga aaaaaatttg gaattttgaa tattctcgg 120
tttctgtgca cacctggaat tgggcaaatg tggtcagctc anccagcatt ttctgtagac 180
atnatcaaaa gcaggcactt ggggattctg ggctttgagt acaaaccacg gatcttgtgt 240
cagaaacaca tggtgagact cctccattcc ttccagaatt ttccagagatg aggtagaccc 300
acctcaatca tcctnagnat cagntngcta aattgccagg ctcaatgaca agctctnctg 360
ccatctccaa gccactttt catagtccg ctctgtcttt ggctgcagca ctttaggcac 420
tattctaagt cctggagtat atcactcttg ctccagagct aaataaacat taatgaacac 480
actfactcag aacaagtcac tggatagctg cccattgcaa gntacatact catgagatga 540
aagagggaag ccattaaagg tcttcagagt ngacaatacc tagtcaagat gtggacctn 599

```

<210> 100

<211> 190

<212> DNA
<213> Homo sapiens

<400> 100
ccacctccaa aactgcagaa aatattacac gtagtggtga acacaaaaca taaactaagt 60
ttaaagccac ataggtgttc tgaaagcatg ctcaacaacc acagccactg gaggatggtc 120
cactggaaaa atatgatttc aggaaccaga agtaaagatg attaccctag tctcaggtga 180
tgtggccttt 190

<210> 101
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

<400> 101
ccagngtcat atttgggctt aaaatttcaa gaagggcact tcaaattggct ttgcatttgc 60
atgtttcagc gctagagcgt aggaatagac cctggcgctcc actgtgagat gttcttcagc 120
taccagagca tcaagtctct gcagcaggtc attcttgggt aaagaaaatg acttcacaaa 180
ctctccatcc cctggccttg gcttcggcct tgcgttttcg gcatcatctc cgtaaatggt 240
gactgtcacg atgtgtatag tacagtttga caagcctggg tccatacaga ccgctggaga 300
acattcggca atgtccccctt tgtagccagt ttcttcttca agctcccga gagcag 356

<210> 102
<211> 415
<212> DNA
<213> Homo sapiens

<400> 102
cagagaagtg gatggacatt tggccatcca ggcagaacta agccaggcat aaccacagcc 60
aagcagatta accccaggca gaccgataaa aagacctcca gataggcaga cagacagatg 120
gaccaccaac ctggacagac agccaaagct tcagagatac agtccacagg tggacaaagg 180
gatccccagc cagagagaga gagaccagcc aacagcttga tagaccagtg cagccagaga 240
gaccacaaa cagagcccc aaaagacaga catctctgct agctggacag ccaggtggac 300
cccctaagtt agattactag acagatataa acagatcccc tgctgaacag atacacagag 360
ttctcagacc ccacccccac cctcaggtgg gctggctggc tgacagacct tctgg 415

<210> 103
<211> 190
<212> DNA
<213> Homo sapiens

<400> 103
aggaagagct ggcctacctg aagaagaacc atgaggagga aatcagtagc ctgaggggcc 60
aagtgggagg ccaggtcagt gtggaggtgg attccgctcc gggcaccgat ctgccaaga 120
tcctgagtga catgcgaagc caatatgagg tcatggccga gcagaaccgg aaggatgctg 180
aaccttggtt 190

<210> 104
<211> 507

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 209
<223> n = A,T,C or G

<400> 104
ccactgcact tcagcctggg cgacagatct agaccccatt ctaaaaaaaaa acaaaaaccc 60
caaaccacaca cccacgaaag ggtaatgttg gcaagaagtt ggggtgcagag gtctactggg 120
gaacatctgt ggggaaaggg tctaaggctg ggaagcgaga cgccagggtc cgatcctgtt 180
gtgtagttaa tttctgggtg ggtcttgant aaggtagccc acctttatct gtaaccatct 240
agtcagggtga tctcttttagc cattccagtg ccggggctct attagagcta gttctaaggc 300
attcatactt cttgcttagg gcgtttctgt ctttgatccc tcatccccag gtgctagtgt 360
atgagtgtgt ggggaaaggg tttcgagggg gtggggggcca atggaaggct ctgttgggac 420
ggcaccaggc gaggtgttga gttggctcgg ctcaagggtc ttcgggggtg gagctggcat 480
gaggacctgt tggaagtggg atccagg 507

<210> 105
<211> 553
<212> DNA
<213> Homo sapiens

<400> 105
ccatgaaagg cagctcttgc cgaatgcgcc gttcaattac tttgggggtac acgaccaatc 60
cttcagaaat gttctgcagc gtattcaata tagtatctgc ggtaagaaat gcctcggcca 120
aacagatccg tcggttggca ctatcatcca gtgtgcgttc aaaccactgg acagatgctg 180
tctgtagcgg gtccatgaca agggtcacga ggtggcgggc aagactgcag caacgttctg 240
aacgcattggg attccgctta tatggcatcg cacttgagcc aatctgctgt ttttcaaagg 300
gttcctccat ctcttgagg tttgccagga ggctatgtc ggtgcaaata ttgtgcaactg 360
atgcccccaa gctagccagc acagacagta cttcaatata cacttttctg gtatatgtct 420
gcctgtgat gatgaaagct ctcttaaatc ctgccttttc tgtcaccatc ttgtcaagct 480
gctctacctt atggtcatct ccctcaaaga gctgcaggaa actggcctga gtgccagtgg 540
taccctttac tcc 553

<210> 106
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 356, 585
<223> n = A,T,C or G

<400> 106
cctttccctg cccagtctgg tgccctgccc acgttgtacc ggacactgga ttccctggacc 60
cccttctcct ttccctttctt tccttcaggt cagcgagccc tgtactgtat ccagcaccac 120
agaaacctca gtgtttttcc tctgctggtt tggggcacaa ggaagcctta gggatatggg 180
aaaggctgtt attacctaga gtttactccc agggccagggg gctgccatct tcttcacaga 240
catccctgaa aggaagcccc tttggggcag ggaggtgagg acttcatctc aacatcggct 300
ggtggttggg aggggagctt tttcttttct ttcccttttt ttgtttttgt ttttgnnttt 360
gttttttgta acatgttagg agttaatgtt gcaaagagta gtttacatct tcactttctg 420

```
<210> 110
<211> 527
<212> DNA
<213> Homo sapiens
```



```
<210> 111
<211> 580
<212> DNA
<213> Homo sapiens
```

```
<210> 112
<211> 283
<212> DNA
<213> Homo sapiens
```

```
<210> 113
<211> 575
<212> DNA
<213> Homo sapiens
```

<400>	113						
ctggaagcct	ggaggagtc	cctgaatttt	ctgggtcatcc	aactctttctt	cctgtggcac	60	
caaagccaca	aaataaggag	ggatgtttcct	gcggggtgtg	tatctgcaca	atgctgcaac	120	
ctccttctcc	agacacttga	tgagcagagc	actgaacagg	gttgagctcc	caatcaccag	180	
cgactcctct	gggtacacga	acagggaggg	cctcaggtaa	tgggtgtttct	tcagcagtac	240	
caacggcttg	aaacccatga	gcatacaaac	tggatcatca	aaccgtttta	gctcttctgt	300	
ttcctctttc	tccagtataa	tctgacgact	cccatagatc	tgagacctct	tggatatcgt	360	
aggcagaagc	aaaccgcctg	tacttgtatt	aaaggtccgg	gtcttggttt	tcactggttc	420	
atttgtttcc	cgatagagct	ttattggagg	aggcttgaga	gccttctgga	ccaqattata	480	

aatgcccaca gagatcacta tatctttgtt gagcttcagc tttaacctgc tgagtgtctg 540
cttcctgggc tccttggcgc gaaccttccg caaca 575

<210> 114
<211> 314
<212> DNA
<213> Homo sapiens

<400> 114
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccagatt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgcac tgtgttggtc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcggggc taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aaatggcctt ggac 314

<210> 115
<211> 304
<212> DNA
<213> Homo sapiens

<400> 115
ccttgtcttc tcttaggtcc agagctcagg tgaatgcaga ttttccggc catctgtgct 60
gaagtccctg tggggaggct cctggctggt ttctgttagg tagacagcta cacgtcctgc 120
ccttcattgg cttcttttca tgaagctcct gccatctaca aaacatgtct cccttcttga 180
atcacatctc tgttattgaa actctagaag tcaaccgggc atgggtggcta tgcctataat 240
cccagcattt tgggatgccca aggcgggtgg atcacctgag gtcaggagtt caagaccagc 300
ctgg 304

<210> 116
<211> 454
<212> DNA
<213> Homo sapiens

<400> 116
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgcac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
ttttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 117
<211> 380
<212> DNA
<213> Homo sapiens

<400> 117
ctgtcctgca gcaaacactc caccctccac cttccatttt cccccactac tgcagcacct 60
ccaggcctgg gtccccctgca acctcccata aaaggatgac ccctaaacac agaggagcgg 120
ggcaggcagg ggggcaagga ctggagctac cttgcttggt gggggactgg gtacagttgg 180
caagctgtgt ttccatcagc tccctgtctc cttttcttcc ctcgttattg atctatagac 240

```
<210> 118
<211> 651
<212> DNA
<213> Homo sapiens
```

<400> 118							
gcgagaatga	agactattct	cagcaatcag	actgtcgaca	ttccagaaaa	tgtcgacatt	60	
actctgaagg	gacgcacagt	tatcgtgaag	ggccccagag	gaaccctgcg	gagggacttc	120	
aatcacatca	atgtagaact	cagccttctt	ggaaagaaaa	aaaagaggct	ccgggttgac	180	
aaatggtggg	gtaacagaaa	ggaactggct	accgttcgga	ctatttgtag	tcatgtacag	240	
aacatgatca	aggggtgttac	actgggcttc	cgttacaaga	tgagggtctgt	gtatgctcac	300	
ttccccatca	acgttgttat	ccaggagaat	gggtctcttg	ttgaaatccg	aaattttcttg	360	
ggtgaaaaat	acatccgcag	ggttcggatg	agaccaggtg	ttgcttgttc	agtatctcaa	420	
gccagaaaag	atgaattaat	ccttgaagga	aatgacattg	agcttgtttc	aaattcagcg	480	
gctttgatcc	ancaagccac	aacagtttaa	aacaaggata	tcaggaaaatt	tttggttggt	540	
atctatgtct	ctgaaaaaag	aactgttcag	cangctgatg	aataagatct	aagagttcct	600	
ggctacagaa	aqaaagatgc	aqatgcacct	taagacctnc	ttgtgatatt	t	651	

```
<220>  
<221> misc_feature  
<222> 466, 467  
<223> n = A,T,C or G
```

```
<210> 120
<211> 544
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<222> 544

<223> n = A,T,C or G

<400> 120

```
cgagggcctg ctgcttcctg gttaagtatc ttttgagatt ctagaacaca tgggagcttt 60
ttattttcgg ggaaaaaccg tatttttttc ttgtccaatt atttctaaag acacactaca 120
tagaaagagg ccctataaac tcaaaaagtc attgggaaac ttaaagtcta ttctactttg 180
caagaggaga aatgtgtttt atgaacgata gatcacatca gaactcctgt ggggaggaaa 240
ccttataaat taaacacatg gcccccttag agaccacagg cgatgtctgt ctccatcctt 300
ccctctcctt ttctgtcacc tttcccccta gctggctcct ttggacctac ccctgtcctt 360
gctgacttgt gttgcattgt attccaaacg tgtttacagg ttctcttaag caatgttgta 420
tttgacaggct tttctgaata ccaaactctgc tttttgtaaa gcgtaaaaac atcacaaagt 480
aggtcattcc atcaccaccc ttgtctctct acacattttg cctttgggga tctggttggg 540
gttn 544
```

<210> 121

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 505

<223> n = A,T,C or G

<400> 121

```
ctgatgctgt ttgatgactc tgggaagtat tgaaggttcc aaaatcagca ctggaggatt 60
tggggaagtt atcaaaatga gcaaaattag catttactga tgcagcactt ccacctgtag 120
tttggggctg aaaaggagag tgacttgctg tggggaaacc tccaaaatta ctgaaccac 180
tagactgtcc aaatgcatca aagtttgcaa aatctgcatt tgcagaattc tgagctgcat 240
gactgttgaa atgtgcaaag ttagcaaaat tggtcttagc tgttgactga ggagctggag 300
cagcaaagat gtctgagccg agatcactta aaaggtcaaa ttgcttcttc tcctgctgct 360
gcccttgaga acgacctaca actggggact gactaggtgt gcccttattt aagtgcagtg 420
ttggtgcaga atcccctaaa agagatttca gtggtttgac ctacaggtgtg ctgcttgctc 480
tactggcaga ggacccttga aatanatgca tgaactgatg ccacgacttt ggcttgctct 540
ggcgggacat accatctttt cttttcatatc ttttcttga 579
```

<210> 122

<211> 238

<212> DNA

<213> Homo sapiens

<400> 122

```
ctgccacaga gggccccccac cagggaaatg tctagtgtct agtggatcca ggccacagga 60
gagagtgcct tgtggagcgc tgggagcagg acctgaccac caccaggacc ccagaactgt 120
ggagtcagtg gcagcatgca gcgccccctt gggaaagctt taggcaccag cctgcaaccc 180
attcgagcag ccacgtaggc tgcaccagc aaagccacag gcacggggct acctgagg 238
```

<210> 123

<211> 377

<212> DNA

<213> Homo sapiens

<400> 123

attacgccaa cttggtaccg agctcggatc cctagtaacg gccgccagtg tgctggaatt 60
 cgcccttggc cgcccgggca ggtctgggcg gatagcaccg ggcataatctt ggaatggatg 120
 aggtctggca ccctgagcag tccagcggag acttgggtctt agttgagcaa tttggctagg 180
 aggatagtat gcagcacggg tctgagtcctg tgggatatgct gccatgaagt aacctgaagg 240
 aggtgctggc tggtaggggt tgattacagg gttgggaaca gctcgtacac ttgccattct 300
 ctgcatatac tggttagtga ggtgagcctg gcgctcttct ttgcgctgag ctaaagctac 360
 atacaatggc tttgtgg 377

<210> 124

<211> 461

<212> DNA

<213> Homo sapiens

<400> 124

ccagggtgga gtgcagtggt gtaatcaaag ctactgcaa ccttaacctc cctgggctca 60
 ggtgatcctc ccatcttcag cctgtcaagt agctggaacc acaggcatgt gccaccacac 120
 ccagctaatt tttttttaat gtttttagaga gacagggttt caccacatta cctaggctag 180
 tctcagaact cctggactca agtgatctgc ccatctcggc ctctttgtat gtagactgta 240
 ccatgttgaa tatattatca atattcaaga aactagcttt aactaacttt tgctgggtcaa 300
 ttccactgta ctggctccga aaattatcct ctgggtactc cctactatga aaatggaggt 360
 attcttcaaa agatattaag aaattctccc tatcaagact tatttatcta tccactgatg 420
 gttgttacat attaaataag ctttaactgcc cagtttctat t 461

<210> 125

<211> 266

<212> DNA

<213> Homo sapiens

<400> 125

ccttctcttt tgggtcccca ggtggtaaatt gtctgtaaac ccagctattg caggggtttt 60
 gaagtgaaga gctttgttat atcctaggtc agcaccacgg gctgcccttg ttctgaactg 120
 ggagcacttc ccccagtgga ggatacagac tcaaaagctg ttcttggtgt gccttgctag 180
 gtgccagggc agcccagggt ggcattcttta atgagggctt ggcaggagtc tcccaggctg 240
 agagtgggga gtggggagat gaggaa 266

<210> 126

<211> 322

<212> DNA

<213> Homo sapiens

<400> 126

ccttttagaa gctattaaat gagcaaacat tatagataaa ccaattttat atctgaagca 60
 gcttatagca ccaacacgtt ggcaggacca gcagaggggt ggggtctttg gaccaaggca 120
 tctgggaaca ggaagggtct tcagccatca tctaccttat ccctgtaagt ctattaaatg 180
 taaataatac atactttaca acttctctta gtgggccctt ggcagattaa atctttgcaa 240
 aattccatat gtgctattga aaaatgaaat aaaacctcag atgtctgaat tcttatttca 300
 aatacagtta tataattatt tt 322

<210> 127

<211> 372

<212> DNA

<213> Homo sapiens

<400> 127

```

accaagttga ctctgaggcc ctggtgggct gcctgcgggg caagagtaaa gaggagattc 60
ttgcaattaa caagcctttc aagatgatcc ccggagtggg ggatgggggc ttctgccc 120
ggcaccacca ggagctgctg gcctctgccg actttcagcc tgtccctagc attgttggtg 180
tcaacaacaa tgaattcggc tggctcatcc ccaaggtcat gaggatctat gatacccaga 240
aggaaatgga cagagaggac ctgccaaggg cgaattctgc agatatccat cacactggcg 300
gccgctcgag catgcattca gagggcccaa ttgcacctat agtgagtcgt attacaattc 360
actggccgtc gt 372

```

```

<210> 128
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<400> 128
ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtgggccct cgccccgcc 120
ctggtgtcac agaggctact attactggcc tggaaacggg aaccgaatat acaatttatg 180
tcattgccct gaagaataat cagaagagcg agccctgat tggaaagaaa aagacagttc 240
aaaagacccc ttctgtcacc caccctgggt atgacactgg aaatggtatt cagcttcctg 300
gcacttctgg tcagcaaccc agtggtgggc aacaaatgat ctttgaggaa catggtttta 360
ggcggaccac accgcccaca acggccaccc ccataaggca taggccaaga ccatacccg 420
cgaatgtagg acaagaagct ctctctcaga caaccatctc atgggcccc a ttccaggaca 480
cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 540
gggttccctg aacttctacc agtgccactc tgaca 575

```

```

<210> 129
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 129
aaactgctct ttttatctgc ttgtgggaat gtcgtctctt tcgtggaaga ttgggtgggc 60
tcatgttgag gctgttgccc agtcccatta actcccttgt ccccccacag aaggaagaga 120
cattgccccag ctaagcatca ggaagctgtg ttaaaagccc ttctatgggt ttggttttgt 180
gatgtttttc cctaattggga aaaacgttat agttgtttct tactgcctg tctgggaagc 240
agggcaaacc tccaggtttt t 261

```

```

<210> 130
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<400> 130
ctgggggtact ttcagtttgg actgatattc atcacacctc agataaaatg cagagtaata 60
tatagttgca ctttataaat ggtgggttaa tggaaatggt caagccattt tatagttgtg 120
atgcacaata taatttaagt gcttctgtca aagtattcct ccagtacaat ttgtatagtt 180
tgctgccctt gatgagcaaa agtatttata ttgggcttat ctaaatgatac aggatgagat 240
ttaatgcccc tatcttacca gttcagtaat ctccagagcc atttcacctt ttagagtgtg 300
tcacatgcag ggagtgtgaa tgtcagaggt ggtttattat ccagtctgcc ttacctttaa 360
totgttcaca gatattttat tactaatgct ttttttttct taagagttat gggataggaa 420
aatgaagtgt ttgctcttca ttactaaat gattgtaaac ttgagttttt catcaaaaata 480
aaattccatt gtttt 495

```

```

<210> 131

```

<211> 214
 <212> DNA
 <213> Homo sapiens

<400> 131
 ccaagaggtc agagtcgtcc ctgaggctga gtogaacaca gacccgtggc cctcataaaa 60
 ttaaacataa aagcacaaaa atggcgcaac cagacagcat tggcttcaga caggcaggac 120
 acggggcccc tcgtgtgacc tgtgactttc cacaaagggc aaggacctgg cactgactcc 180
 ggccagtgga gaaggctgtg ccgccccccc ggcc 214

<210> 132
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 132
 cctgggagga gactatggaa gaaagggggc ctcaagaggg agtggcccca ctgccagaat 60
 tcccaaaaaga tcattggccg tccacattca tgetggctgg cgetggctga actggtgcca 120
 ccgtggcagt tttgttttgt tttgcttttt tgcacccaga ggcaaaatgg gtggagcact 180
 atgcccaggg gagcccttcc cgaggagtcc caggggtgag cctctgtgcc cctaatac 240
 tcctaggaat ggagggtaga ccgagaaaagg ctggtatagg gggagggtttc ccaggtagaa 300
 gaagaagtgt cagcagacca ggtgagcgtg ggtgccagtg gggttcttgg gagcttcaag 360
 gaagcaagga acgctccctc cttcctctcc tgggtcttct ctatgggacc tagtaataa 420
 ttactgcagc cacctgagggc tggaaaacca ctccagggtg gggaggagag agttta 476

<210> 133
 <211> 142
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 73
 <223> n = A,T,C or G

<400> 133
 aaaattacct ttatcatcttg ctngattttc cttcagctaa attagaaatt tgtagttttt 60
 cccctaaaaa atncaatggc attctttctt ataaattaca ttctctgatt ttcttgcag 120
 cctgcttcaa ggaaatccat gt 142

<210> 134
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 18, 25, 69, 93, 98, 115, 134, 246, 352, 365, 369, 438,
 440
 <223> n = A,T,C or G

<400> 134
 ngtncaagaa aataattnta tctantgatt attagtgact tgcaaacaat ttactatttc 60
 tagactaang aaataaatta gtgtacaaat tantgtanca ggtaaaaaac acctnagga 120

```
<210> 135
<211> 495
<212> DNA
<213> Homo sapiens
```

```
<400> 135
tttttttttg aaanaacatg tattgaggta ctttttattg gtataanaac gtaagtcca 60
nattaaccat gtcattgttt ctttttcacc atggattttt ttccacaaac tcctttgaaa 120
ttaaacagac ttatatgtaa atgtctttct acattaaaac tacttcccaa cccacaaana 180
ccccacttac tactaatttc tggggaattt cgtttactcg ttttatctaa tattaaaaaa 240
tcaacatttt gccagcagtt aaaaanacaa ctttaaagtt ctcaaattac tttccacca 300
accgcgaaaa naaaaccacc catntccaaa actttaaagc aataaaaaatt tntnttttcc 360
aaaaaagtat ttacagactg aaattcaaac tctacattgc catcaatgta attatncaag 420
ngcatacaaa gccctggaaa agaggaagta ttctatttnc aaatatttat gatcaaaaa 480
atattgnttg cttttt                                     495
```

```
<210> 136
<211> 384
<212> DNA
<213> Homo sapiens
```

```
<400> 136
cctgagcccg  acctagccag  ccctggctgt  tgtattacca  aagcagggtc  catgtttgct  60
gccttaaccc  tgtctcctct  ctgttaactc  gagggcctca  tctcagacaa  ggcccagcct  120
gctttttctc  agccctgact  ttctaattgg  ctttccccc  taggtcagtc  ttgctggatt  180
tgtgcttttc  ttttgtggtt  tctctggccc  tgagaatagc  atggggcctt  taaacctttg  240
ggctagatcc  ctcccttcat  tgctgtttgc  tctgctcttc  cctctcctgg  ctgtggttat  300
ttattattag  tgggtgtggc  ctgggagctg  ctctaagga  agcagggagc  aaatcccacc  360
tttaccacac  cttcctgqqa  aaqq
384
```

```
<210> 137
<211> 113
<212> DNA
<213> Homo sapiens
```

```
<400> 137
ctgtgcagaa agggctctgg agagatgttc atagcagcac acacctgcgg ctctttcttcg 60
gttctggagg ctccagggcc gccaatattg cttcgtcaaa tacattcttt agg          113
```

$\langle 210 \rangle$	138
$\langle 211 \rangle$	408

<212> DNA

<213> Homo sapiens

<400> 138

```

aaagtacttt taagaaaaaa agcagggcct tggagagttt ggttcttttt tcttcccctg 60
ttgcaaattc tcatggtttg ggttgggttg tggagagcgc gtgtcatctg cgggtggcac 120
tgccacggt gggcgggagg gcctctctac tcgaaggtga ccacgtttag attctgagac 180
gggaagtgga gggatgaatag gtcacggcgg ccttttttta gtttaacttt tccttttttg 240
ctgtctagtc atcctcgctg gtcttctgct tcttgggtatc gacatcgta tcctaagcag 300
agaaagactg tcaaaggccc ctccaacccc aggagcccta tccagcccac tgccctcagct 360
cctgctggca gagcaagaac cagggacccc cagctccaca gccaagg 408

```

<210> 139

<211> 28

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 139

```

tactgctgga tatnccttta acgttgct 28

```

<210> 140

<211> 386

<212> DNA

<213> Homo sapiens

<400> 140

```

ccaaccagcc acgggagttg gaattcccta actattgtca gagagagtgc aaagggattt 60
gtctgattga acaatctgca ttggaagatg acctggacct gcctgcatcc cgcatggcag 120
aggatgacat ttggaaggat cggttgctca tgtttcctct tctctcccca gaacctgcta 180
aggctgcctc agacctgact gcctgggttc gcctcttcgc tgacctcgac ccaactctca 240
atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatata tgaatctgta 300
cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct agcagaagta 360
taaagtgatc agtatgctgt tttaat 386

```

<210> 141

<211> 399

<212> DNA

<213> Homo sapiens

<400> 141

```

ctggccctcc atcaccaatg cggcagtcct tgccgtgaca tgctgagctc tggagaggagc 60
gaaggagggg ctgcggtggt cagacaagag cctggacaca gtgctgctga cagccagggg 120
aggctctcag cgctgggagg ggcgacagat aaagcgagac agaccaagga gtaaatgcct 180
tgggatctgc tctttgggaa ggaagaggat gaaagtatta acagcagacg ggtctctcca 240
agtctgggtg cctacgcagg gggcaggttg gaggggaagg gagaggtaag agtggcttcg 300
cttcacctct tgctgctggc aaaggcccaa gtgctgtcta acaaggccag caggttctcc 360
aagctgtatc tagcccagag cattcattta caggactct 399

```

<210> 142

<210> 146

```
<400> 148
ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
gtgaaactcc atctcaaaac aaaaaaaaaa ctgacagc
219
```

<210> 149
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 304, 374
 <223> n = A,T,C or G

<400> 149
 gctaggtagg ggcaggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgcct tctgtgccc agaaaggaag gggctattgc 120
 ctctctccag ccacgttccc tttctctcct tccctcctgt ggattctccc atcagccatc 180
 tggttctcct cttaaggcca gttgaagatg gtcccttaca gttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctccctccct gtccccaccc ctgcataagg 300
 cagntgttgg ttttcttccc caattctttt ccaagtaggt tttgtttacc ctactcccca 360
 aatccctgag ccanaagtg ggtgcttata ctcccaaacc ttgagtgtcc agccttcccc 420
 tgttgttttt agtctcttgt gctgtgccta gtggcacctg ggctggggag gacactgccc 480
 cgtctaggtt tttataaatg tcttactcaa gttcaaacct ccaccctgtg aatcaactgt 540
 gtctctt 547

<210> 150
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279
 <223> n = A,T,C or G

<400> 150
 ctgaaccctc gtggagccat tcatcacagg cctagtttaa ggaacaagtg attatgctac 60
 ctttgacagg ttaggttacc gcggccgcta aacatgtgtc actgggcagg cgggtgcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tctttttact ttttttaacc tttccttatg agcatgcctg tgttggggtg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctgnt a 281

<210> 151
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 151
 ccaggctggt tttgatctcc tgacctcaag cgatccactg tctcggcct cccaaagtgt 60
 tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
 agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180

```

aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttcctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgca 420
cgatgctcaa ggatcgggtc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataanac tctagggg 508

```

```

<210> 152
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 365
<223> n = A,T,C or G

```

```

<400> 152
cctgcgcctc ctgccttgcc gcctgcaaag caaagaaact gccttttatt ttttaacctt 60
aaaaagtagc cagatagtaa caagactggc tggctgatga gcaaagcctt tgctctcacg 120
cagaggaagg cttggatgta caatgaaact gcctggaact aaaagcagtg aagcaaggga 180
ggcaatcaca ctgaagcggg tcttctcca ggaacggggg cccacaggcg tgttgtttta 240
aataacctga tgctgtgtgc atgatgctgg tgcttgacca tgaaaggaaa gtctcatcct 300
taaaatgtgt tgtacttcac aatcctggac tgttgcttca agtaaacaat atccacattt 360
cgaan 365

```

```

<210> 153
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 196, 200, 201
<223> n = A,T,C or G

```

```

<400> 153
aaaggaaaag ttgattatgt atgtggggtg ccaggaccac tgccttgaaa gcaagtgtga 60
tttttatttt taatattatt ttatttgtgt ctgtgtacat attcatgtat aaattttatg 120
aaaccaagc atagtgttta ttttttaata aaacaactga cttaacacca aaaaaaaaaa 180
aaaaaaaaaa aaaagntttn ncc 203

```

```

<210> 154
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<400> 154
aaaattttga caatctgctg ggtgctgagg gaggtacaca gggagcagat agcctctgcg 60
tctcctggg ttttcttctt taattgcagg agctgggctg cttggatcag aggttccatg 120
gtctgaactg ctccactctg gtgaagggtt cttccccgaa gccactctc aagctgactt 180
atattgtacc tgagttgcat gcctgtgctc caagagcaga cgtccttcog caagagcagg 240
ttgttaagag tcaactgcgtt gatcatgtag aagagctgtt tgaataacctg caggatgatc 300
tcagggtcca agccttggtc acacatgact gtatgaaagg cattcatctg gcggatgata 360

```

```

gcttccaggc agtatgagtt atccccatct gccatgctgg aggagcgctt ccggtagccg 420
gtgggcttca caccagatag accctgaatg ctctcatttt ccaacatggc agaaactatc 480
atcggctgta acacgccctc ggcaatttta atgagctgct ggtagatctg aatggaaagg 540
tcactcagca cctgacggac ctgcccgggc ggccaagggc gaattctgca gatatccatc 600
aactggcgcg ccgctcgagc atgcatctag agggcccaat tcgccc 646

```

```

<210> 155
<211> 336
<212> DNA
<213> Homo sapiens

```

```

<400> 155
ccatgggtggc gcacgcctgt aatctcagct actcaggagg ctgaggcagg agaatctctt 60
gaacctggga ggaggaggtt gcagtgagcc aagatgggtg cactgcactc cagccttggc 120
aacaagagtg agactctacc ttaaaaaaaa taaaaaata aaaaaagtca aaattagctg 180
gggtgtggtg tgcgcccgtg gtctcgctt cttgggaggc tgaggcagga gcattgtttg 240
aacctgggag gcggaggttg cagtgagctg agactgcacc attgtagtcc agcctgcatg 300
acagagttag actctgtctc aaaaaaaaaa aaaaaa 336

```

```

<210> 156
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<400> 156
ctgcctttga tcaagattcg ggtgcaagtg gaggcaggag catataacctg gagggaaatgt 60
gctttgtcac accaaagagg attttttttt cttcaaactt gtatgttgcc taggtttcaa 120
attctttgcc gcaaggctga tctgctttca ttaactggaa ttctgtagga gatactgggtg 180
acctaagcta agttgcactc agcatactca gtgtcaagct aatgaggttc tattataaag 240
gttctacttt taatctgagg gaaaacatgt tcagggtctc tagaactacta aaaaatttgg 300
cttaaaccag tgttcagttc ggtgccaaac ttcgaatgga atacaaattc acataatctg 360
aactttgttc acaggttatc ctaatagagt aattcttcac tttgctctat tgaactgtct 420
taaggatttg ttt 433

```

```

<210> 157
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 157
aaatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtac 60
ataaggttca aagtttcctt tccttttttt atttatttta tattttgcaa tgtttttttt 120
ccataatatt taagtttttc gatgttttaga tatttttctt cgggtgaagca caagtttctt 180
ttcatgggtc ctgatcaatt ttaaacagtt ggaacaccgg tggcactggt aactgcttct 240
tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcatc aaccttagaa 300
cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
atgccagtga ttttaccagc aagagtaggg tgcattggct gaataagagg aaacagcc 418

```

```

<210> 158
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 158

```

```

aaattttat  tttagtttt  cttttttgtc  aacaaatgat  tgatgaaata  atgcaacacc  60
cttaaattcc  agaaaaatggc  atgggtttttc  caacctcctg  tggatatggg  gcatgatcaa  120
tctattatat  aggattaata  caagttcatg  ctttttgtgt  tatggtgaaa  caacattaaa  180
gaatccaatt  tagattgggt  gaagcacaag  tataataatc  cttgaatgtg  atcaaaccta  240
tttaagacac  cagtttgctt  tttctctgaa  ccagagaaat  gaaagtcagt  ttaagaggct  300
gatagatctt  ggccctgtta  aggcattcac  ttcacagtto  tgaaggctga  gtcagcccca  360
ctccacagtt  aggccaagaa  ttagattttt  389

```

```

<210> 159
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 159
ctgagctgac  cttactctga  ggactaactc  ttttgcgtga  agcggtttct  gatttacagc  60
tcttggtttc  tcccagacat  gttgggtggg  gagatgttgg  tttttaaggg  gttgttagat  120
ggagtaaatt  ttcttttttt  tttttttttt  tttttt      155

```

```

<210> 160
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<400> 160
aaaagtcatt  caagagtctc  attatttttg  tttttattta  acccttttct  caatacaaaa  60
agccaacaaa  ccaagactaa  ggggggtgacc  atgcaattcc  attttgtgtc  tgtgaacata  120
ggtgtgcttc  ccaaatacat  taacaagctc  ttacttcccc  ctaaccctta  tgaactcttg  180
ataacaccaa  gagtagcacc  ttcagaatat  attgaatagg  cattaatatg  aaaaatatat  240
atgtagccag  acagtttatg  agaatgaccc  tgtcaagctt  cattattacg  tggcaaaaatc  300
cctctggccc  acacagatct  gtaattcact  aggctcgtgt  ttgctacaaa  tagtgctaat  360
aaagttaaat  tgcacgtgca  atacggaaca  ctgtcaatgg  actgcacctt  gtgaaggaaa  420
aacatgctta  agggggtgta  atgaaaatga  tgtagacatt  ttaagcattt  tctacacagc  480
gagaaaaact  cgtaagaaca  tgttacgtgt  gcaacaggta  aacagaaaatc  ctttcataaa  540
gcaccagcag  tgttt      555

```

```

<210> 161
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 161
cctagatggc  aaaacacatg  ggctttgtga  ctccactact  gacttccagg  ctaagggaagg  60
actgacttag  tgagctgttc  caagaccact  gagctcatgg  ttcctgtgtg  ctgggacctc  120
catcatgacc  ggggcttgaa  gagggtaact  tgttcccgct  gccacatttg  gaacagtatg  180
acggctgcag  cagaggccaa  aaactaagtg  atcagcccca  gagagtogat  gggggacact  240
gacaaaccaa  tcacaaagtt  ggtgccatta  gctcttaggg  aggagaggtg  gggcctgggc  300
aaggacagca  g          311

```

```

<210> 162
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 162

```



```

ccatagaaga cacctcctct ggatagaagc ttttggctct tcccttgtat tctacttgga 360
ccttggggcct gccagcatca ttcaccacca taaagggcca atgtttcata tcagactgga 420
caacagcatc atcaaatctg cgtccaatca gacgtttggc atcaaaaact gtgttggtgg 480
ggttcattgc aacttgattc tttgcggcat cacccgatc 519

```

```

<210> 166
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 166
aaagtgaatg tgatgttgga gagagtggga aggaaaagta atggcaagta tgcttgctca 60
ttaccaggca ctgtgctaag ctctgtgaat acacagataa gtaaaatcca cgctgtttct 120
caaagaactc acaatctggt taagaagcag atgtctatac aataatttta taactattat 180
tcaatgtgat tagtactcac atagctctat atagagtgtt atagaagaat aaattagaga 240
atatctcatt tttctctcag tggttt 266

```

```

<210> 167
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 167
aaaatctctt cttcctcagg agtcagcttg gctcccttct tgccggcccag gggcagcgca 60
tagtgggact cgtaccactg tcggtaagggt gtgctgtcga tgagcacgat gcaattcttc 120
accaggtctt tggtagaac cagctcgta ttagatgcat tgtagacaac atcgatgac 180
cttgttttac gagtacaaca ctctgagccc caggagaaat tccccacgtc caacctcagg 240
gcacggtatt tcttgttacc tccccg 266

```

```

<210> 168
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 515, 516, 517, 565
<223> n = A,T,C or G

```

```

<400> 168
ctgacttctt ttnaagttcc cacattagga cattgatcag atgtgaattt ttaattacaa 60
tcggcacttc ttcaaacatg tactcaaagg tgatatattgc ttttttcaat gcttcagggg 120
aaaaatcctt ttctttacaa acttccatca gtttaggagt cagtctgtat gccttttagtg 180
agagagatcc ttgggcagtt tttatgggat cataaatgag aacgacagat tcttcaatgg 240
catgctggta actaaactga gagtccagga gtgcccgggt aacgaatgag ccatagtatg 300
tggaactgata ccagcccacg tgaagatgat caatgtttac atggcgaagg ctccgcatca 360
tttccatctg atattggact tcatcaaagt cagcatcacc ctctgtgtgc tgagggaaag 420
gaaagcagtt ggtaatttca agccgatctt ctacaaccag acccaaaagc actccttgaa 480
caacttcagt tccttgtcct tcttcttgat aatgnnnngat tatctttaat accacaaggc 540
catctatctg cacttgcttc acgngtg 567

```

```

<210> 169
<211> 272
<212> DNA

```

<213> Homo sapiens

<400> 169

```
ctgttgcatg ccaagttttt tgtgtgtgtg aaacacttca aaactgattt aaaagatgta 60
aatttaaaga gaatgcaatt caaatcatgg agaattcttt ctaaagaaaa tttcaatctg 120
cttttttgat ctgggctcac ttaaatagtg tgatcgatct atcccttagc tgaacaaatt 180
atacaaagca gcatttagac ttatattcac tctcaagtat caagaggttt tcagcctttt 240
cttactaact gagagattct tttttggttt tt 272
```

<210> 170

<211> 345

<212> DNA

<213> Homo sapiens

<400> 170

```
ccaggcattc tctccctgcc ctctctggcc tctgggggtca tactcacttc tttagccagc 60
cccattccct ccaccccaca cctgagttct tgcctcctcc ttttggggac acccaaaaca 120
ctgcttgatga gaaggaagat ggaaggttaag ttctgtcgtt ctttcccca tccccaggaa 180
tggaacaaga gccaaacttag aaagaagggt ctcacgtggc tggcctggct cctccgtaga 240
cccctgttct tttcaacctc tgcccacccg tgcattgtcat cacaacatt tgctcttaag 300
ttacaagaga ccacatccac ccagggatta gggttcaagt agcag 345
```

<210> 171

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 171

```
aaacactgct tttagtatga tgtcaacacc agctatgcag aaagggctct ggagagatgt 60
tcatagcagc acacacctgc ggctcttctt cgatcctgga ggctccaggg cagccaatat 120
tgtatcgtca aatacattct tttttttttt tntttt 156
```

<210> 172

<211> 114

<212> DNA

<213> Homo sapiens

<400> 172

```
caaaagccct gcatttaata agtgggagat gtgggtcacag tggataaaaag gagcacacat 60
aaaacttttag agagggtgatt tcactagagg gagttttttt tttttttttt tttg 114
```

<210> 173

<211> 324

<212> DNA

<213> Homo sapiens

<400> 173

```
aaaatcactt tgggtggtgat tccaaattgg taccaagcaa actttctgga tgcccaacat 60
gattttcagt aaccaccctt tagagtatgt gtttactaag ttcaccacat tttgaacatg 120
```

```

gtagtttttag actgcaataa tatttagact tacattatta cttactgcta agtaaaatct 180
aaatcctgca aatgcacaga attcaagctg aaatataatg atttatgttt agctcacatt 240
gaagtattgg ttggttactt atgtattaat gcagtggtgca ttcacattta atcagggtta 300
gtctgtttct attttaataa tttt                                     324

```

```

<210> 174
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 239, 262, 360, 361
<223> n = A,T,C or G

```

```

<400> 174
cagacacaca ttctgttgac aagggaaaac cttcaaagca tgttttctttc cctcaccaca 60
acagaacatg cagtactaaa gcaatatatt tgtgattccc catgtaattc ttcaatgtta 120
aacagtgcag tcctcttttcg aaagctaaga tgaccatgog ccctttcctc tgtacatata 180
cccttaagaa cgccccctcc acacactgcc cccaggtata tgccgcattg tactgctgng 240
ttatatgcta tgtacatgtc anaaaccatt agcattgcat gcagggtttca tattctttct 300
aagatggaaa gtaataaaat atatttgaaa tgcaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
nttt                                             364

```

```

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<400> 175
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatott atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccataatttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat ggggtttatca tgctgtatcc 420
tcactcttgc aagcagtgtt ccttgtgctt agcagtaaat gttgcctaata ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatgt ggaaaggtaa ctggcctgct tg                    532

```

```

<210> 176
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 176
aaacctaata tttttaatta aatgcctggt caacaaagct aattggaaca aacacattta 60
tgtaaattta cattctagaa tgccagggtg aacaaggaga cgttattcaa agatgaataa 120
gaaagttcta ttctttttca tcatttgtgt gatcagggtg caaaggacat gcttttctct 180
ttgcttttcc taagccactg cttcctgcct cttcaggaat ctgattctct ttttcagaat 240
ctttaggggg caacctaag aattctccaa ttcttttttg ccacttggga gttgggcgca 300
cgcaaacggg gttccctcct gcatatttat ttccagcttt cctcgatgaa actgatgtcg 360
aattagtggc agaggtggaa gaaccaagca cttttctggg ggctcgagca gccaccactt 420
ttctgtaagt gcctggaaca ctgtctgctt tagtccgcac catgttcaaa caagaagaga 480

```

ggagaggaga gaacgaactg acttcccagc cgagggtgtt tcac

524

<210> 177
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 177
 cgaagatatg cccatgtggt gttgaggaaa gcagacattg acctcaccaa gagggcggga 60
 gaactcactg aggatgaggt ggaacgtgtg atcaccatta tgcagaatcc acgccagtac 120
 aagatcccag actggttctt gaacagacag aaggatgtaa aggatggaaa atacagccag 180
 gtcctagcca atggtctgga caacaagctc cgtgaagacc tggagcgact gaagaagatt 240
 cgggcccata gagggctgcg tcacttctgg ggccctctgtg tccgaggcca gcacaccaag 300
 accactggcc gccgtggccg caccgtgggt gtgtccaaga agaaataagt ctgtagg 357

<210> 178
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 178
 aaatgtcttg tttcccagat ttcaggaaac ttttttctt ttaagctatc cacagcttac 60
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatattt atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtataaca gaatacattt gaaaacattg 240
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacag gtactacaaa caaagtctga agtcagcctt ggtttggctt cctagtgtca 360
 attaaacttc taaaagtta atttgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 179
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 179
 cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccocactac ctaaaaaatc 60
 ccaaacatat aactgaactc ctacacacca attggaccaa tctatcacc cttatagaagaa 120
 ctaatgttag tataagtaac atgaaaacat tctcctccgc ataagcctgc gtcagattaa 180
 aacactgaac tgacaattaa cagcccaata tctacaatca accaacaagt cattattacc 240
 ctactgtca acccaacaca ggcattgtca taaggaaagg ttaaaaaaag taaaaggaac 300
 tcggcaaatc ttaccccgcc tgtttaccaa aaacatcacc tctagcatca ccagtattag 360
 aggcac 366

<210> 180
 <211> 187
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 177, 181, 183, 187
 <223> n = A,T,C or G

<400> 180
 ccagggtaaa taggcagtca acattttgat tcataanaga acaaatgacg agaatatatc 60
 agtatcaatg tcagagagtg caagacttag tgttctatac ataaaacata tgaaacagac 120
 ctataaagat ggaatgtaca aaatctaaaa agaaaacaaa gcaaaaaaaaa aaccccnttc 180
 ntnttcn 187

<210> 181
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 181
 ctgctagttg tgcttgctgg gataaatctt cgatcttggc ttccccaaaa actatgtaag 60
 tatctgaagc agggctcttg tagacatctg gttttgtgat gacaaagagg atattcttag 120
 atttccggat agtgactcta gtaactcctg taacctgccg aagacccagt ttggacatag 180
 ccttccgtgc cttcttttca ctccgactct gttttgcttt actgac 226

<210> 182
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220> '
 <221> misc_feature
 <222> 314
 <223> n = A,T,C or G

<400> 182
 ctgtattgcc gcagttctag cttcaccttc acgatgtttc ccttggtcaa aagcgacta 60
 aatcgtctcc aagttcgaag cattcagcaa acaatggcaa ggcagagcca ccagaaacgt 120
 acacctgatt ttcatgacaa atacggtaat gctgtattag ctagtggagc cactttctgt 180
 attgttacat ggacatatgt agcaacacaa gtcggaatag aatggaacct gtcccctgtt 240
 ggcagagtta ccccaaagga atggaggaat cagtaatcat cccaggtaca agcttttttt 300
 tttttttttt tttt 314

<210> 183
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 183
 aaaaataaat agtaccactt ttctaagact gtacagttta caaataaggt ttttttcttt 60
 gttgttttcc tcttctatta agtttttagtg aaaagcctaa ttacagaaaa ttgtgcagat 120
 actagtgaag atactagtat aagttt 146

<210> 184
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 184
 cctaagtcac taaaaaattc tccctttgta acctcagtgc tggggactga ggcgagcccc 60
 ctcaggtcgc tggagtgcac cagtcttggg gaagagggtgc aggagaagct gtgtttttta 120
 tctccacacg cagtatgaag ataaaattac atagtattac ctagacatag acagtattac 180

ctaggtagat gcactgctca cctgcaccct tcccagctct catttttgtt aggtgatttg 240
 ggatagggat agtggttttg ggtatggggg gagtggttct gacctgcttt gcagacgtgc 300
 ctccgcacct cagcagtttg ggggtgtggc ccagggcggg tcttgatgtg aaaagatgtg 360
 g 361

<210> 185
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 185
 aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattctttc ttgtactaat 60
 taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtcttc 120
 ctttttcatg taactgtaac ctaaagtgtat tactttctgat aaaactatat atcaaagtgc 180
 actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttgggt 240
 gccatggaag ttatggccct gaaaatcgtc tccctcccct tctcttgctg tacagcatgc 300
 gttctctttt tgtggttctt ggctgggtac tgtattttaat gaagtagaga atagcacttg 360
 caaaaataca gtcttggtac ctagagactg tcatgcagat agtataattt ggtatatgtg 420
 ctaatgcatt gagtagagga ttattttaa acactatttt gc 462

<210> 186
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 186
 aaatgcattc ttcacaagta attcagcata tatttttata tcatgtttac ttatgcttaa 60
 gaattaaagc aagtatatatt attactctga tggaaatgtg ggaaatctct cattcatgca 120
 atatacaggg ataattattca agcgaaggga aaattcccgc tttttatttt tgtaaattg 178

<210> 187
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 187
 ctggaggcca tctcctctga ctaccagggg cggcaggaga tcttcctgca gcgccatgga 60
 cccctatctg tccacatggc ctgcctctcc ttcttcttcc tggctgcctg cagtgtctgc 120
 accgcagccc ttctgaggca caaagtcaag gccagactga ccaagaaaaga ttcttgaggc 180
 tggcaagtgg ggcaacgtgt ggaggaagcc cctcataatt tggagaaaac ttgatacaat 240
 agaagctgac ttttaaggca ttggctttt 269

<210> 188
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 188
 aaaatattta taaatatgcc ttaaagaaat acaaagtata acaattacat accgtattta 60
 cttgtctaat ttctctgtga tttgtgtaga tactttgaca tggaatatat ggtggggaga 120
 cccgtagtgt taccgccccg gtgggagggg gccctgggga ccttggtaat gcttttagtca 180
 aagggatata tctcttgat cagaggctgt gtcttttagt aacaggagtc ctgctcagaa 240
 ttgctgtctt gttgtctcta aaagaatggg tgaaccaatc ggcctttgtg aatttattca 300
 gtgccttctc tgtaccaagc actgggtaag gcacttttgt ggagcattag acagtaacco 360

```
tcaaggagct agagaaccgg atgggagaca tgagcggtaa ttaactcact tgttccccag 420
agttttctatt tgttttgatt ttctttttct gtgacttatt ttctattttt ctttctcca 480
tgtaattttc actatggccc aactaatata aacacctgga aattacaagg aaaaaaatt 540
cttctcttaa taactttcca aatc 564
```

```
<210> 189
<211> 365
<212> DNA
<213> Homo sapiens
```

```
<400> 189
aaaaattcct agataaattt cattcattaa ttttctatTTT tattctctat acccttcttt 60
gttttgctctg tcttcttttc ttccacaaa ttcccaagga caatccctaa aaaaactatt 120
agtcccagtg ttcggttgga gataaattta ttccaacaat cctcaggtct gtggatgtct 180
agagtgtaaa tctggtgagt cagatgggct cctacagcac ccagggcagc gtagtaggga 240
gcagtctgtc cactgttcac acccactagg ctcagtgccc ccagcattgc aacactgaag 300
ccactgagcc acggcttggt attttctccg aaccgcagag ccggttgactt aagaccaatc 360
aaaac 365
```

```
<210> 190
<211> 429
<212> DNA
<213> Homo sapiens
```

```
<400> 190
ctggttttgc catgatgatc tgatccactc taagtacagt gactgcagca ttagtagcga 60
gtttgatagc ccaatatTTT cccaggtaag tatctagaat accagcttcc agcatgtcct 120
ttacagcagg gacttcagcc tcaatatcta atccaacggt tttatttccT tcttgatgta 180
ctgcataaag tttagagatt acttcattgg ccttaactcc agagtTTTct gccagtgcgc 240
ggggaatagc ttcaaatgcc tcagcaaact tcttaatagc atactgttca agtccaggac 300
atgtctctcc atatgatgtg atctgtttgg ctaattcaat ttctgttget ccacctccgg 360
gtacaagacg tttatccctt gtaagaactt tgaaaagtatt aacaccatcg ctactgccct 420
ttctatgtc 429
```

```
<210> 191
<211> 460
<212> DNA
<213> Homo sapiens
```

```
<400> 191
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 60
cttggctttg accatacaca tttctgcca gcccttacag aatctgcaca aagaaatctc 120
tccctttgct ccagttaatt gttcttgat gtaagttgct ttctattcca gtatatccag 180
agtggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 240
ggccatacct gaggagagaa tgatatgagat caaaaaagaa caaatgtttt attattactt 300
gagcacaagt gtaacctaaT tttttctata ttaaagctta atgtgctttc ttaaagaatg 360
ccaaaagtgt aataaggtca taactgcatt tatcatgaac actaaaaatg tacacatttt 420
agttaatgtg cattaaactg taacaagggc ttctggcaat 460
```

```
<210> 192
<211> 291
<212> DNA
<213> Homo sapiens
```

```

<400> 192
ccattgtggt gcctctgtta ctgtttgtat tgaataaaaa catcttcatg tgggctgggg 60
tagaaactgg tgtctgctct ggtgtgatct gaaaaggcgt cttcactgct ttatctcatg 120
atgcttgctt gtaaaacttg attttagttt ttcatttctc aaataggaat actacctttg 180
aattcaataa aattcactgc aggataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a          291

```

```

<210> 193
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 193
ccaaagccat ccattccaag gctgccagga aatgaatgct gccaacaac atctccattt 60
tgaagggtgg aatcattgaa gaaatcgga cttatggctc cttcagaggc aattaatcca 120
tctgagttgt agaaaaggct aggtctttcg agaatatctc cttcatgaat gtatggctca 180
attcgatcat caccatacaa gtactgtcct ctctcatcca tctgacgact ctctaccatc 240
tccagccact gagagttagt ccagcgaaac ttttactctt gaattttctt agcccattct 300
tcatcatatt ccgctataat atctaagtta ttatcacaga cctttcggat ttcattattc 360
ttatcatgca ttaggtctat gagatatgct ggagcctgtg tttccttgat tatgacgtct 420
cttgtggctt ggtggaaaac catctggtag aagacataaa ttatctgaca cacaaattca 480
tcatc                                         485

```

```

<210> 194
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 139, 163, 186, 190, 218, 302, 339
<223> n = A,T,C or G

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<400> 194
ctgggtgctt ctgaaaccca ggagctgaac agtgaggagg ctgtccacct tgcttggctc 60
actgggacca ggaaagcctg tctttgggta ggctcgtgta cttctgcagg aaaaaaaaaa 120
ggatgtgtca ttggtcatna tatttgaaaa ggggaggagg ccnaagttgt tcccatttat 180
ccagtnttgn aaaatatttg acccccttgg ctgaattntt ttgcaaaaact actgtgtgtc 240
tgttcactac cttttcagggt ttattgtttt ttttttgca tgaattaaaa cgttttaatt 300
tntttgcaaa caaggtctaa atgcggagtc aaaaatggna ctgaatgggg agggatcctt 360
tgtgtttctc                                     370

```

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<210> 195
<211> 429
<212> DNA
<213> Homo sapiens

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<400> 195
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgccc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccaggggtg 120
ggagtcctct gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgccat ctggctccag gggcctccag tccagcattc ctcttcttc 240
ccttgattgg gtggggccac atgatgggca gccaggctct gggctgtccc actagagcag 300
gctgcaaaca cagccatggt tcagtgaggc gttgatcttc ttccctggtg tcccaacctc 360

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ccagtgccac gttacagccc agagtgagtt ctacaagcgt tgctggccta atggatgggc 420
 tgggggaag 429

<210> 196
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 196
 ctggggccgc agtcggacct ggtgagatca gaggaggggg tgccaccagt ctgtggacga 60
 agatgagaag ctggaataga gcagaaaaca ggaggctgcc actctccatc tttcccaaag 120
 tcaactccagg agcaagggtg tcattttactg aaatgacaga ctctccatct cacttttttc 180
 cccaagtgc agagtgcagg gaagcagatg ggctaaattt ttagagtcag ggttattaat 240
 gtatacttta catagtaaac tttcccttt taagtgtgca gg 282

<210> 197
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 197
 gccaacatgc catccagact gaggaagacc cgaaacttag gggccacgtg agccacggcc 60
 acggccgcat aggcaagcac cggaagcacc ccggcggccg cggtaatgct ggtggtctgc 120
 atcaccaccg gatcaacttc gacaaatacc acccaggcta ctttgggaaa gttggtatga 180
 agcattacca cttaaagagg aaccagagct tctgcccac tgtaaacctt gacaaattgt 240
 ggacttttgt cagtgaacag acacgggtga atgctgctaa aaacaagacg ggggctgctc 300
 ccatcattga tgtggtgcga tcgggtact acaaagttct gggaaaggga aaagctccca 360

<210> 198
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 198
 ccagtatgtc cccaggatta tgtttgttga cccatctctg acagttagag ccgatatcac 60
 tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 199
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 199
 ggccacatgt agacagctag gtcagtgttt tttcctctta gggtttcttt gcagaaagaa 60
 acctccagca agggaagaga ggtgtgtgtc cacaggaagg ggctccgtgg ggatcccatg 120
 aagggatttg agctctttca gctccatgtc atttaacttt tttgtttaac cactttggct 180
 ttctctcttt ttttctgtc ctcttacgg accagttacc agattcagag gctaatagtt 240
 agttacttgt taatgctagt cacagccagg aggtcagaag gaattttcta cttctggatc 300
 caaatgttac ctcttagggg aagttatgcc ccctcaacta ttgtcttatt ataataaatc 360
 tttccttttt ggtcctttta agtaaccact caaaactttt catttcactg aa 412

<210> 200
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 200
 ccaacaggta tataaaaggg tgctcaacat aattaatcat caaggaaatg catataaaaa 60
 ccactogaag tactatctct caccagttag gctagctggt atcaaaaaaa acaaaagaca 120
 acaaatgttg tgatgggtg gaataaaagg aactctgtgc actggttggt ggaatgtaga 180
 ttggtacagc cattatggaa aacagaatgg aagtttctaa agaaaaataa aactaccata 240
 cgatccagca atccctcttc tgggcatata ctcaaagtaa atgaaatcac caccttgtaa 300
 atatatctgc agtccgtggt cattgcagca ttattcatag tagccaacat ggagacaact 360
 gaagtgtccg ttgacagatg aataaagaaa ctgtgtatat atatgcctac acacaatgga 420
 atattattca tccctaaaaa aaa 443

<210> 201
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 201
 ccaaggctcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcaactg cccagagtga tggcattggt ccggtgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagcttc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggctc tccgggaaga gcagtcatt gtttccagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacc acgagcatga cgacgatcgt 300
 ggcttcagca tggatcataga gctccttcag ccacgcctcc accacagcat aggtctgggtg 360
 cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
 aagttataat cttcctcag 439

<210> 202
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 202
 aaatgcaactg acatttttat ttcttgcaac ccgagttaaa ttcacgtttc atttcctaca 60
 gaatgcaaaa aagacatcca caaggcaact ccacttctaa gttacaaatt actagatggt 120
 agaaaacttt ctgcaaggac agtgcaactat tttttatttt ttgagacaga gtcttgctct 180
 gtgcgcttgg ctcaactgaa gctccgcctc ctgagttcac gccattcttc tgcctcagtc 240
 tcccagtagt ctgggactac aggcgccccg caccatgccc gactaattct ttatattttt 300
 agtagagacg gggcttctact gtgttagcca ggatgggtct gatcttctga cctcgtgac 360
 cgctgcccc gccttccaa agtgctgaga ttacaggcgt gagccaccgt g 411

<210> 203
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 203
 cactgagcca gcaggtgcca gggagccact cgccccccat agcttctgca cacctcagac 60
 tcaccccatc accttggcag caaagcactg gctctgccgt ctgacccctg atccaggcag 120
 cccctccgc agagaaaagg gttggggaga agcctctgca gtccctggaag atgtgggggtg 180
 ctgggtgaga ggcatcagcc cccacaagta tgtttttgtg tcttaagata gcagtttact 240

ttgaaaaagt gaaaaaggct tccgggctgt cctctgcca gtgagatgga ggacgctaga 300
 gaaagtgctg agtgtcccga gagaggcccc cgagccagtg catggagggtc cttcggcctg 360
 gctcag 366

<210> 204
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 339, 363
 <223> n = A,T,C or G

<400> 204
 cctgtgccat ctggttccac attcagggcc tncactatgc catcctgtac caccatggag 60
 aacctcttga gacgtcgatt cccaaagatg gacaccagcg aatcatctag taataagtct 120
 gtctccttcc caaaggcccc agtgggatca gccaggagcc gaaccttgcc ttccgccttg 180
 tgggctcggc cccactcgcc agtcacaaag gcatcattaa cactcagaca ggccaccacc 240
 tggactccct tggccttcag agcctcagcc tgctccacaa accctggcag gtgtgtcttg 300
 gaacatccag ggggtgaaggc cccaggaact ccaaacagna cacccttctt gcccttgaac 360
 agntctgccg ggttcacctt gtcccttggc tcccttcaa acacctccac tgctgggatg 420
 g 421

<210> 205
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 205
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcactt tctcctcat catcagatcc aaagagggtca atgtcatcat catctttact 420
 atctgtagct ccacttcctg tagtgtcttc cacatcggca ggaccatatt tgcccaaagc 480
 tttcttcact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
 acgtagggca tgacacaagt c 561

<210> 206
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 206
 ctgagaattc gtccgctccc gaggetgagc agggcggggc tgagtaaatt ccggcttacc 60
 atctctacca tcatccggtt tagtcatcca acaagaagaa atatgaaatt ccagcaataa 120
 gaaatgaaca aaagattgga gctgaagacc taaagtgtct gctttttgcc cgttgaccag 180
 ataaatagaa ctatctgcat tatctatgca gcatgggggt tttattattt ttacctaaag 240
 acgtctcttt ttggtaataa caaacgtgtt tttt 274

<210> 207

<211> 554
 <212> DNA
 <213> Homo sapiens

<400> 207
 cctgggtggg cccttgtccc ctgcaacaca ggtcagcgcc aacccccacc tgggtctgggc 60
 ctgatcaagt ggggagagga gcctttgcag gctgaatttt cgcagcatgg acccagaact 120
 tccaatacta tgttgaatag gagtggtag agaggcatc cttgtcttgt gccggtttcc 180
 agcttttgcc ccttcagtat gatattggct atgggtttgt cataaatact cttattattt 240
 tgagatatct tccatcagta cctagttgat tgagagtgtt tagcatgaag ggggtgttgaa 300
 ttttgtcaaa gaccttttct gcatctattg agataatcat gtggtttttg tctttgggtc 360
 tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagcct tgcattccag 420
 ggatgaagcc cacttgatca tgggtgataa agctttttga tgtgctgctg gatttgggtt 480
 gccagtattt tattgaggat ttttgcata atgttcatca gggatattgt tctaaaattc 540
 tctctttttg ttgt 554

<210> 208
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 208
 ccatcattga gtatctagag gagacgcgtc ccactccgcy acttctgcct caggacccaa 60
 agaagagggc cagcgtgctg atgatttctg acctcatcgc tgggtggcatc cagcccctgc 120
 agaacctgtc tgtcctgaag caagtgggag aggagatgca gccgagctcc acgctgatct 180
 gaagatacag gagagggacg aactcgctg gaagaaacta aagcttgacg gcttggacga 240
 agatggggag aaggaagcga gactcatacg caacctcaat gtcattcttg 290

<210> 209
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 209
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tggggtggtg aaaatttttg aggggtggtg gggagagaga atgggcgatg tttctcaggg 120
 ctgcttcaag tgggattagg ggcagcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaaaggg tgatattgtg gggatgtaag aagaaacatt tgtcatatag 240
 aatgattggt gatggcctgg atacggtttt ggatgaattg agaaactaaa tggaataaca 300
 gaaggagaaa aacaggtata aaaggtctaa gaattgggag gacctaggat atctgattag 360
 agagtgccta aggagattca gcagagtcct gccagcaaag attattttatt tacttcaaga 420
 gtt 423

<210> 210
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 210

gagcacgggtg tcccagtgag ggcagaaaca tcctaaatgg attttcaaag gactccatga 180
 tgttctgggc ttttttctgt gcaactgtca atggaccctt tttactgtct tcagcactag 240
 gttcattaaa taacgtgatg acag 264

<210> 214
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 214
 ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaac aaaaacaaaa ctagacagc 219

<210> 215
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 215
 ccacctcaag atgaaaacag ataactccct aaatgttaac tggctctact cccctaatat 60
 taaacataaa aaccacatgg gaaatataga aattcaaata gaagtaacat aaacctgtca 120
 taaatcgtaa acaaaaaact atttgtggga cagcatggat gacaaatggc ctactgtgta 180
 aatttttagaa tgaggcagac aaaagttaga aggccgggta attttcccct cttctcctg 240
 cttcagcttc gtctccttgg gtatccgatg tccacaatgt caagtgtgtc ctcagtaatt 300
 gcattattag cgtgctgtct ttgtatgact cttcacttaa tgtatcaagt tcagcaatgg 360
 cttcatcaaa agctgtcttt gcaagagagc aggcctttctc tggggagttc agaatctcat 420
 aatagaacac agagaagtta agggccagac ccagtctgat aggatgtgtt ggttgcatth 480
 cttttttgct gatttcaaaa gcttcttggg atgcttgttg tgactgatcg acaatccctt 540
 tcttgctcat accagcggca acctcagcca agtaacggta gtaatt 586

<210> 216
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 216
 aaattcttca ttttaccagc aactgctgac atcaaagtct cccctccccc aacaacaaaa 60
 atacaattaa aaaaaataaa taataaagtc atttgtgatc gttgctgtgg ttctgagctg 120
 caaaggcact ttcaaataca gaactacttg tacgtcatca taaaaccaat atacaaaaac 180
 aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccattaggac 240
 atctggcaga agtgggagct caaagaccag ggggctgggc aggcctcctg gagcctgac 300
 cgagaccgtg tcggctgcaa ggggacacac aaccagggta ctgttgacta gctttttgca 360
 tagctgtgag atgcggcact cgatttccca gcccaaccaca gaaactacca ttgccagtg 420
 aagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
 tcgagtatga cagcagctt t 501

<210> 217
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 43
 <223> n = A,T,C or G

<400> 217
 aacctactag agtctcaata tctgctgggt accaccattt agntacaaga gaaatgaatg 60
 aa 62

<210> 218
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 218
 aaatctttgt cattcacaga cagttgtttt gcttcttctt taaagcattt gcaacagcta 60
 cagtccaaaa ttgcttcttt accaaggata ttacagaaa agactctgac cagagatcga 120
 gaccatccta gccaacatcg tgaaacccca tctctactaa aaatacaaaa atgagctggg 180
 cttgggtggcg cgcacctgta gtcccagtta ctcgaggagg tgaggcagga gaatcgcttg 240
 aaccggggag gtggagattg cagtgagccc agatcgacc actgcactcc agtctggcaa 300
 cagagcaaga ctccatctca aaaagaaaag aaaagaagac tctgacctgt actcttgaat 360
 acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg aactaactga 420
 cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt catgggacta 480
 aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc tgattcttt 539

<210> 219
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 157, 163
 <223> n = A,T,C or G

<400> 219
 aaaatggtgc cctaccattg acacatgcag aaattggtgc gttttgcttt ttttttctt 60
 atgctgctct gttttgtctt aaaggctctt aggggttgacc atgttgctgc atcatcaaca 120
 ttttgggggg tgtgttgat gggatgatct gttgcanagg ganaggcagg gaaccctgct 180
 ccttcggggc ccagggtgat cctgtgactg aggcctcccc tcatgtagcc tccccaggcc 240
 cagggcctg agg 253

<210> 220
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 220
 ccagccggta tggccggctc tgcttgatgt ccacgctggt gatgactttg ttgtgtcctg 60
 taatctcgcc cacagaagag ccactatccc agaggaagac tgctccaaac ttctcccttc 120
 ctccccgac cacggcgatc ctcttactgt cttcagtcca agcaatgtct ttgatcttcc 180
 cagcgaaagg ctggtactca tacttcaaca ggtgctcctt ctgctgggta tcccagatcc 240
 tcagcttccc agacacatct ccggaggcaa tgtagaatcc gctggggcgca tacttgg 297

<210> 221

<211> 580
 <212> DNA
 <213> Homo sapiens

<400> 221
 ccagagcttc atccagagct cactggaagg tggcttggca ggaagagggga atcttcctac 60
 agccctcctc caagggggac agaggctggg ggcagagaag gaggcattta agctttgcta 120
 gcctcctgct gcctctgagg ctgtaggaca cgtcattcaa acctaccatc aaagtaggct 180
 tctgatttca acttgatct caccgtagcc cagtgcacc gcagcagcca tgatgggatg 240
 taggcaggag agcgggtggc tggaaaccgc ttctagacaa tcctgtatta tttagatcta 300
 catagagata cacgaaaacc ctttatacca aataagagta aataattata ccaatataaa 360
 cagggccggt gaccctttca ttttattaaa atggcacata attattaaaa cagcatactg 420
 atcactttat acttctgcta gccccaggg gagctgctgg gggcggcatg tgagtgcct 480
 cccgaagggt acagattcat gcattgagca attcgtgttc tttatcgatt ttcccaacag 540
 catcaggatt tgagagtggg tcgaggtcag cgaagaggct 580

<210> 222
 <211> 548
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 303, 304, 374, 377, 451, 540, 542
 <223> n = A,T,C or G

<400> 222
 gctaggtagg ggcaggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgctt tcctgtgccc agaaagggaag gggctattgc 120
 ctctctccag ccacgttccc tttcctcctc tcctcctgt ggattctccc atcagccatc 180
 tggttctcct cttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctccctccct gtccccaccc ctgcataagg 300
 canntgttgg ttttcttccc caattctttt ccaagtaggt tttgtttacc ctactcccca 360
 aatccctgag ccanaantgg ggtgcttata ctcccaaacc ttgagtgtcc agccttcccc 420
 tgttgttttt agtctcttgt gctgtgccta ntggcacctg ggctggggag gacactgccc 480
 cgtctaggtt ttataaaatg tcttactcaa gttcaaacct ccaccctgtg aatcaactgn 540
 gnctcttt 548

<210> 223
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 223
 ccacttccat gccctctcca gaccaggaga cacctgctgc tgacctcgtg gaaaacttag 60
 attttgacat tctgatgctt cggaagtggg ggctcctcct ccctcacccc tccgccacct 120
 gtgggcctcc tctctgcac tcaagagaac aaccagatct ttggactcct ggggtgtgtg 180
 ccatgcaatt tagacgaagt gctttgaaaa tatgccattc agtctctgac taggaaaata 240
 agtctgacct gataggctct atgtcatcag ctcttcaaca tgagacaaaa gaggggattt 300
 tatgttttga gtcattagaa tgatataata attttctgaa ttgacatctg gatgttgaaa 360
 ttaggatggg gcaaaagggg tccagggcct caggctgggc gcagcagcca gctcccaatg 420
 acgcagaagc tgcttcaaaa cccctcaac aaagaggggc acatgcaagt caccaaagtg 480
 ggaagccttc accaaggcca caccctcaagt ctactgattg tctgtctaaa gttcgttgat 540
 tcttgg 546

<210> 224
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 428
 <223> n = A,T,C or G

<400> 224
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgacagg ttagggtagc gcggccgtta aacatgtgtc actgggcagg cggtagcctct 120
 aatactgggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tcctttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctggt aattgtcagt tcagtgtttt 300
 aatctgacgc aggccttatgc ggaggagaat gttttcatgt tacttatact aacattagtt 360
 cttctatagg gtgatagatt ggtccaattg ggtgtgagga gttcagttat atgtttggga 420
 ttttttangt agtgggtggt gagcttgaac gctttcttaa ttggtggctg ctttttagg 478

<210> 225
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 225
 cctcgtgggt catgggcccg tagtcctggg gttcacagaa gttcgggtgc tgagggaaga 60
 actccttgta gccgcctttc aggatataca tctcagggtg gtagaggctg gggtagtcgt 120
 tgacagcacg gtctcgttcc ctgatgaaac ggcacatgcg gggcccacgc tcagatgaga 180
 attcacagtg gaaaatgagg atgactctct tgtccaggct acagggcgcg atggggctct 240
 tcagtaggaa gctctcggcg tcgcgttcca ggggcaagtt caccgcagtc ttgatgtgcc 300
 cgccttcata ttcataagggt tatctgcagt ctacaatcac aaacttatcc acgatgttgc 360
 tgaacttgcc cgtcaatagg gccaccatcg tttctggtga gatgtacttg aggtcttggg 420
 gctttccgct tactgtctgt aggaggaagg 450

<210> 226
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 226
 cctgtgtcca ccacacctgg gatcattttg atagctgtat tcaacttcaact ccatttgtgt 60
 acccgggtcaa acttccagtc caagataaaa ttcccattat ctgtcaccac aggaccagcc 120
 ttgttgacag ccattcgaag ttcaaccacg ccccaaaact tctggctcac agctcggctc 180
 actgggacat aggccattgg gatgacctcg atggggattc ccttgtgccg ctgatccccg 240
 agattcttcg aatctttcct gaaatcagcg atcacgatga agcgactagc atagccagcc 300
 acaatcttct cctgggtcag gcagcctccg ccacccttga tgagattgag atcagcatct 360
 acttcatcag caccatcgat ggcaaggctg atctctgggt gtcgatccag atcactgagg 420
 gtcaagccat actgcaggat gagctggcg 449

<210> 227
 <211> 568
 <212> DNA

<213> Homo sapiens

<400> 227

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ccttcatttt agctaagttt agaatttata ttaggcaact atgatttgag tggttattca 60
ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 120
atgggtcaaaa aatatgtaat tcatggctcg gacactgacg ttgtttaggg atttagtcat 180
caaggacagc cctctgttgt ttctaatgcc gtactaatca agactgtatg gacacttgca 240
tcttaagtac taaggaatta ctagtgattg ttttatttta tccatgtact ctttttagtat 300
ttaataatta aatacctatt cttagtgttt gacactccat atttcttttt tttggaaatg 360
aaacaaatat gcagtcctaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 420
cagagataaa tgctgttaat ttaacaagta gattcttctc caaagaatga tgagtgattc 480
ttgggaagat aaatgttaat gttcccaata gtcaagcttg tcttgacagta gtgaaaagct 540
tagatgagta cggatacctc atttgaaa 568
```

<210> 228

<211> 580

<212> DNA

<213> Homo sapiens

<400> 228

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ccaggctggt tttgatctcc tgacctcaag cgatccactg tcctcggcct cccaaagtgt 60
tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgacg 420
cgatgctcaa ggatecgtcc cacgttcacg ataggatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataagac tctaggggct ccagataata aggggtgaagc aagaagcatt 540
tcatttgcac atctttcttg gacttgggat atacagttcc 580
```

<210> 229

<211> 228

<212> DNA

<213> Homo sapiens

<400> 229

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ctgcctgagg aagttgatct cgtcggctcag cccttccagg cgagactcca gctctacctt 60
gttcatgtaa gtttcatcca cctccttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttgtt cttgaagtc tccaccagcc cctgcatgtt 180
gccaaagctc gcttccagct tcagcttctc ctggcccaga gtctccag 228
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<210> 230

<211> 149

<212> DNA

<213> Homo sapiens

<400> 230

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ccatattgac agaccaatct atgggactag ggggattggc atcaagttga cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cggtcttcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149
```

<210> 231

<211> 503

<212> DNA
<213> Homo sapiens

<400> 231
ctgctgtggt tgctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagttcat caagttccca 120
ctgagaatgt gcagggtgat ttcacagaga ggtcatttga tcttttggta aagaatctaa 180
atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
gttcaaaaaa agtcaagact gatacagttc ttatattgtg tagaaagaaa gtggaaaaca 300
caaggtggga ttacctgacc cagggtgaaa aggagtgcaa agaaaaagag aagccctcct 360
atgacactga aacagatcct agtgaggat tgatgaatgt tctaaagaaa atttatgaag 420
atggagacga tgatatgaag cgaaccatta ataaagcctg ggtggaatca agagagaagc 480
aagccaaagg agacacggga att 503

<210> 232
<211> 253
<212> DNA
<213> Homo sapiens

<400> 232
ccaggctggt ctcaaactcc tgacctcaag tgggtccacc gactcggcct cccaaagtgc 60
tggtgattaca gttgtgagcc accatgcccc gcccccact tgtaaaacttc ttaaattgcag 120
gaactgtatt ttattaatct ttgaatcaat attatctagc accatggcta gtttaattata 180
tatgcttcat aattacctct ttaaaaatct taaaattgag agatgagttg aggggtctaaa 240
ttgcctttca act 253

<210> 233
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 442
<223> n = A,T,C or G

<400> 233
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgccca gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccagggaa tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggtcttgtac attttggtc gtttttcccg aatttctgtc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccatttgttt cctctgaagt agtcgggttg gtcatgaact 420
ttctagtgcg gatagttacg gngtcgttca tgatggcgat ctatcttc 468

<210> 234
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 39, 79, 217, 225, 309, 328

<223> n = A,T,C or G

<400> 234

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ctgaaggagc cggggagcag aaagtatatg cgtnaggtnt gaggaagaaa atagattttg 60
gaagttatga gaaatgtana gagtgaagttg agcatagttt gtgattttga gggcctctaa 120
cagtattaaa gtagcggcag tcgctgcaca cagacatgat ggctaggcta aaacaggaag 180
gtcaagttgt ttggacagaa aggctacagg gtgcagncct ggctnttgtg taagaattct 240
gaccacacta accatgccta ggaaggaaaag gagttgttct tttgtaaggg attgaggttt 300
gggagattna tcggacaccg atcagcangg agagcacctg tgtttttatg agaa 354
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<210> 235

<211> 538

<212> DNA

<213> Homo sapiens

<400> 235

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aaaaaaagca acttccaggg ttgtcattgt acagggtttg cccagtctcc tatagcatgg 60
tatagtata actgattttt tataacaatg actcagaggc attgaagatc cataactatc 120
ttctgaatta tcacagaaaag aagaaagtta gaagagtta atgttaagtg tattaataat 180
catattctaa ttcttttaat ttggttatct gagtatgata atataggaga gctcagataa 240
caagaaaagg caattgggta gaacactcca ttcccacagg atgtgcatta acagactttt 300
tactgcatat gtctttatat agtttgcaaa ctaattcaac cattttacac agcattaatt 360
ttttttttta ctgggttgac attgggctga aacatttgct tatcatctta taattatttt 420
ttctgttct ttaatggatt ttaccccat ctgacatagt gtttggactt tagtgtatgt 480
gacacttcaa gatcatctct gccattctg atgatagtta caatgagggt acccatgg 538
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<210> 236

<211> 411

<212> DNA

<213> Homo sapiens

<400> 236

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ctgttaaaaa tgactacgag atgaccttca ataacgagac ttccgtcatg cctgtgagg 60
acgaccatca ttacctacg gttcagtttg atttcacggg gattgatgac ctcgagaaca 120
agtcgaaaga ctcaattgta gacatcatcg ggatctgcaa gagctatgaa gacgccacta 180
aaatcacagt gaggtctaac aacagagaag ttgccaagag gaatatctac ttgatggaca 240
catccgggaa ggtggtgact gctacactgt ggggggaaga tgctgataaa tttgatgggt 300
ctagacagcc cgtgttggt atcaaaggag cccgagtctc tgatttcggt ggacggagcc 360
tctccgtgct gtcttcaagc actatcattg cgaatcctga catcccagag g 411
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<210> 237

<211> 372

<212> DNA

<213> Homo sapiens

<400> 237

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ccactttctg cccagggagg aggcattcct ggagaggcta gtgtgcattc atgttttccc 60
atctgacaga gtatcctgaa atcagaccaa gtcctgaaaa cttccaaaat gggaagtatc 120
tggaataatg cactcttccc tctcctgtag ggtctcgtcc cgcttctgag gtgtgggtgg 180
tctggagaag tctgtagaga agcactgcgc ctttgacgtg tcttctgaag aagaagaggc 240
gggatctcat ttgcttttga ggagtcgggt gttcctggtc acggtcgcac gttgtcacga 300
atccagtcta ggtagtgtgt aaccttggtg tacacaccg ggacatcctt ctgtccacag 360
cccaggcccc ag 372
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<210> 238
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 238
 ctgctcagag tctcccattg gtcagatgag aggtggggat gtgacaaggc aggtctgttta 60
 gcacagtgac atgagcactg gcttttagagt ccactgagct tgaattccat ttccgccact 120
 tgtttagctga tgtccttgag caagtgacct cacctctctg agcctttgtc tcatctgtaa 180
 gatgggaatg atagaaaaca tgcctcatgg gacttttcaa ataactaaaa gtagaatgtc 240
 cattcaaccc agcaatccca ctactcggtg tctacccaaa ggtaaagaaa tcattctatc 300
 aaaagacacc ggcaactcgta tgtttatcgc agtacgattc acaatagcaa agtcatggaa 360
 tcaacttaag tgcccatcag tgtgaactgg ataaagaaaag tgtgggtatat ctacaccatg 420
 gagtattatg cagccataag aaagaatgaa atcatgggtg cag 463

<210> 239
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 239
 aaatgtctgc atgcagccag ccatcaaata gtgaatggtc tctctttggc tggaattaca 60
 aaactcagag aaatgtgtca tcaggagaac atcataaacc atgaaggata aaagccccaa 120
 atgggtggtaa ctgataatag cactaatgct ttaagatttg gtcacactct cacctagggtg 180
 agcgcattga gccagtgggtg ctaaatgcta catactccaa ctgaaatggt aaggaggaag 240
 atagatccaa ttaaaaaaaa ttaaaaccaa ttt 273

<210> 240
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 240
 ccaccgggggt tgacctctct cgctagcagg gccacccag ctcaactccc gcgctttcca 60
 tccccctctag gattccatt gtccccctact ccagcactag gcaggcacc ccagcccact 120
 gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgtc 180
 tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238

<210> 241
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 241
 cctacacgcc gccgcttgtg ctgcagccat gtctctagt atccctgaaa agttocagca 60
 tattttgcga gtactcaaca ccaacatcga tgggcggcgg aaaatagcct ttgccatcac 120
 tgccattaag ggtgtgggcc gaagatatgc tcatgtgggtg ttgaggaaag cagacattga 180
 cctcaccaag agggcgagg aactcactga ggatgaggtg gaacgtgtga tcaccattat 240
 gcagaatcca cgccagtaca agatcccaga ctggttcttg aacagacaga aggatgtaaa 300
 ggatggaaaa tacagccagg tctagccaa tggctctggac aacaagctcc gtgaagacct 360
 ggagcgactg aagaagattc gggcccatag agggctgcgt cacttctggg gccttcgtgt 420
 ccgaggccag cacaccaaga ccactg 446

<210> 242

<211> 465
 <212> DNA
 <213> Homo sapiens

<400> 242
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcatacagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttcct gatatacctt tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
 ctgaacaagc aacacctggc ctcataccga ccctgcggat gtatttttca cccaagaaat 300
 ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg gaagtgaaca 360
 tacacagacc tcatcttgta acggaagccc agtgtaaacac ccttgatcat gttctgtaca 420
 tgactacaaa tagtccgaac ggtagccagt tcctttctgt tacco 465

<210> 243
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 243
 aaaaatttta gcaggaaaac aaaagccaaa ccttggaagac tacgatgata ctccctgactg 60
 gcaggagatt ttgacttatt tccgtggatc tgaattacaa aattacttta caaagattct 120
 agaagatgac ctaaaagcca tcatcaaac tcaatatgta gaccagattc ctaaggctac 180
 aaaggggaca gtgggatcta ttttgaccg aaaagatgaa acaaagacac aggcaattgt 240
 atgtcagcag cttgatttaa cccacctaaa agaacgaaat gttgaagata tttcaggagg 300
 agagttgcag agatttgctt gtgctgtcgt ttgcatacag aaagctgata ttttcatggt 360
 tgatgagcct tctagttacc tagatgtcaa gcagcggtt 399

<210> 244
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 329, 350
 <223> n = A,T,C or G

<400> 244
 gtttcccagg cccactgtgc ctcagagacc agggctccag cccctctcgg agaagtctca 60
 gctaagctca cgtcctgaga aagctcaaag gtttggaagg agcagaaaac ccttggggcca 120
 gaagtaccag actagatgga cctgcctgca taggagtttg gaggaagttg gaggttttgtt 180
 tctctgttgc aaagctacct gtccctaccc catggtgcta ggaagaggag tgggggtggtg 240
 tcagaccctg gaggccccaa ccctgtcctc ccgagctcct ctccatgct gtgcgccag 300
 ggctgggagg aaggacttcc ctgtgtannt tgtgctgtaa agagttgctn tttgggttatt 360
 taatgctgtg gcatggatga agaggagg 388

<210> 245
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 587

<223> n = A,T,C or G

<400> 245

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ctgccgtgtg aagcccacaa taaatttagg atgaagaata cggctctgtgt atccaagaca 60
gcagtcaaag ttgcttgctt ctgattcgcc gcagaggtgg agtagcagca ctgacatcaa 120
agcagccagg agcaaactct tggtagagca catgggtttt agctcaaaga acagatctgc 180
taaaacaaat acaagttatt gattcaactt tctcaacttg acagtctacc tgtggtataa 240
ctgtcaggta aaaacataca tctttacaac ttggtgggtcc caagttaaaa aaaaaaaaaa 300
aaaccaacaa caaaaaaaaa aacaccattt cacagacagg aaataaacia catgaaaaca 360
gctcaagaaa tacactaacg agcaaaaata tatgaatata tgggggaaaga ggaacgtgtt 420
gttttgactt aactgaagaa accaagagga aactgggtcta cgtatgaaaa tgtgcatcct 480
ggaaagtcag gtgtcaagat tttcgagtag gaatctatat gacttgaatc tccccctatt 540
tcctgaataa aagtgcacac tttcagtatt tatacttcat ggctcanaca 590
```

<210> 246

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 543

<223> n = A,T,C or G

<400> 246

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ccacgggggac tgttattcgc aagctggttt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
cagcgctttc tggtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaathtt caacatgtcc acttcaactgc gggagaccat 240
gattctgate aggaccttat ctgcgctccc cttgcccttc atggagtcac acagccgac 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcacgatgc tgatccactt 480
gggaacatca gttcctttcc tcttcaactc agcgtcatag agatcccgag catcttggtc 540
aantcagttc ataataatg acagagccat cctctgctct tctacc 586
```

<210> 247

<211> 435

<212> DNA

<213> Homo sapiens

<400> 247

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ccaggctggc cttgaactcc tgacctcaag tgatccgctc gtctcagcct cccaaagtgc 60
taggattaca ggcgtgagcc accgcgcccc gccatacta actgttatca cgagtgttca 120
gttttcatat ttatgctcac ttgctgggtc gctgcagat gactctgaag gagtttgcca 180
taatgaatga ggaccaagat gatgaagagt ttctgcagca gtaccggaag cagogaatgg 240
aagagatgag gcagcagctt cacaaggggc cccaattcaa gcaggttttt gagatctcca 300
gtggagaagg gtttttagac atgattgata aagaacagaa aagcattgtc atcatgggtc 360
atatttatga ggatggcatt ccagggaccg aagccatgaa tggttgcatg atctgccttg 420
ccgcagagta cccag 435
```

<210> 248

<211> 299

<212> DNA
 <213> Homo sapiens

<400> 248
 cctgcagagt gtccctccct tggctccaga acgaagatcc acacttgagg actactctca 60
 gtcgtgcac gccagaactc tgtctggctc tccccgatcc tgttctgagc aagctcgagt 120
 ctctgtggat gatgtgacca ttgaggacct gtcaggctac atggagtatt acttgtatat 180
 tcccaagaaa atgtcccaca tggcagaaat gatgtacacc tgatagcaag aagctaattc 240
 atatgcttta aaccaatgaa ggcttgtcaa agagatttag ttaatggcag accttgtgg 299

<210> 249
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 249
 ccatacccat gtcacccaca ccagcagcgg gaagtctgtt cagccgtccc ttgatcccoct 60
 tcacggagat gatatacagg tttttggctc ctgtgttgct agcacaattg attacagctc 120
 ctaccggaag acccaaggaa atccggaatt tcgcaccaga ggaccaccca cgtcctcgct 180
 tcgaca 186

<210> 250
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 250
 cagattctgc gataatgtgt ggacttttgt actgaatgat gttgaattca gagaggtgac 60
 agaacttatt aaagtggata aagtgaaaat tgtagcctgt gatggtaaaa atactggctc 120
 caatactaca gaatgaatag aaaaaatatg acttttttac accatcttct gttattcatt 180
 gcttttgaag agaagcatag aagagacttt ttattttattc tagaattgca gaaatgacta 240
 cactgtgcta taccagagaa ttccagtaga aagaaacttg taactctgta gcctcttaca 300
 tcacctttat tatacagcat gaaaaacca 329

<210> 251
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 251
 caaaggctcg gataatatta ttgacctctt cctttatcag ccacaatatc ttaatgcaat 60
 tcagacaatg tgtccacaca ttcttcgcta tttgactaca gcagtcataa caaacaagga 120
 tgttcgaaaa cgtcggcagg ttctaaaaga tctagttaaa gttattcaac aggagtctta 180
 cacatataaa gaccaatta cagaatttgt tgaatgttta tatgttaact ttgactttga 240
 tggggcttag aaaaagctga gggaatgtga atcagtgctt gtgaatgact tcttcttggg 300
 ggcttgtctt gaggatttca ttgaaaatgc cctgtctctc atatttgaga ctttctgtcg 360
 catccaccag tgtatcagca ttaacatgtt ggcagataaa ttgaacatga ctccagaaga 420
 agctgaaagg tggattgtaa atttgattag aaatgca 457

<210> 252
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 252
 ctgccgctgc accttgggaa ggtggctcctg tgccctggagt ggacacaagc cccttttgcaa 60
 agtctctggg tcattccaga ggggaggctg acctttttga ttctggggac attttttcca 120
 cgggcactgg atctcagtcg gtggagagaa caaaacccaa ggcaaagata gcagagaatc 180
 ctgccaaccc accagtgggt ggtaaagcaa agagcccat gtttcctgct ctaggcgagg 240
 ccagcagtga tgatgatctc tttcagtcg ctaaaccaaa accagcaaag aaaacaaatc 300
 cctttcctct cctggaagat gaggatgacc tctttacaga tcagaaagtc aagaagaatg 360
 agacaaaatc cagtagtcag caggatgtca tattaacaac acaagatatt tttgaggatg 420
 atatat 426

<210> 253
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 253
 cctgacagac agaagggtt ggagattttt tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cggtttgaat atcttcagat gatatcggct ctaactgtca gagatgggtc aacaaac 177

<210> 254
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 254
 ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
 atctccccct tctcctttgg gctggtcac cagcagggtg tcgacaatgg cagcatctac 120
 aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgccttctt ggaggggtgtc 180
 cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcatc agtaccatc 240
 tctatcatca acgggtacaa acgagtctctg gccttgctctg tggagacgga ttacaccttc 300
 ccacttgctg aaaaggt 317

<210> 255
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 255
 ccataaaggc actacggcat gttcataaac accatcaagt aaaagaaagg ggaatcaaga 60
 tgttctcact tcttttctgc tccaccttaa tactccatct agccactggg atggagcatg 120
 tcatcaactc attcttctca caagctagca agggaattaa acattttatc agtcaaccct 180
 atgctcacca agtgagccaa tgttacacag tgattttgtg catccagtga ctgagaacta 240
 caggcaagga taggccctga ctgttaataa attggctgtg gctattacta gaaaattatg 300
 ggtgcaggca tttacctata caatgacctg cttactgttg cagctaacaa tatagtcaaa 360
 ccagtctatt accatatgat gtccatttaa caagagagcc cagttgaagg atgtttcata 420
 cttttagaaa gcctaatttc ttactgtaat atcctcccat ccctctttt 469

<210> 256
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 256

<212> DNA
<213> Homo sapiens

<400> 260
gtggatggca acagtctaatt ttaggatat gtaataggaa ctcaacaagc taccacagg 60
ccgcataca gtggtcgaga gacaatatac ccaatgcat ccctgctgat ccagaacgct 120
accagaatg acacaggatt ctatacccta caagtcataa agtcagatct tgtgaatgaa 180
gaagcaaccg gacagttcca tgtatacccg gagctgcccc agccctccat ctccagcaac 240
aactccaacc ccgtggagga caaggatgct gtggccttca cctgtgaacc tgagggttcag 300
aacacaacct acctgtggtg ggtaaatggt cagagcctcc cggtcagtc caggctgcag 360

<210> 261
<211> 303
<212> DNA
<213> Homo sapiens

<400> 261
cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
cgagacatgt tgagtaaagg taatttgcca gtccctgggtg gggcaaatcc tccagcctga 120
tgtgtagggg agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
gagaggcggg ctagtggctt gtactatagc ataacctgcc tttgctgggtg tgtggcgatt 300
agg 303

<210> 262
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424
<223> n = A,T,C or G

<400> 262
gtggctcccc actttgaggc caatgccacc gtcggccgca tccgtttcca cgactttctg 60
ggagactcat ggggcattct cttctcccac cctcgggact ttaccccagt gtgcaccaca 120
gagcttgcca gagctgcaaa gctggcacca gaatttgcca agagggaatgt taagttgatt 180
gccctttcaa tagacagtgt tgaggaccat cttgcctgga gcaaggatat caatgcttac 240
aattgtgaag agcccacaga aaagttacct tttcccatca tcgatgatag gaatcgggag 300
cttgccatcc tgttgggcat gctggatcca gcagagaagg atgaaaagg catgcctgtg 360
acagctcgtg tgggtttgt ttttggtcct gataagaagc tgaagctgtc tatcctctac 420
ccanctacca ctg 433

<210> 263
<211> 184
<212> DNA
<213> Homo sapiens

<400> 263
ccagccaggg ctggtgctgt cccgcctac ctccacttcc tttcccttgc tcaactctgga 60
tccagtgaca gcagggtgca tgggtcaagc ataaatcata tatagcattt tcaggcatgt 120
tcttggtagt tcttttgagt ctgacattct aataaaataa tttgtaaaaa aaaaaaaaaa 180

aaaa

184

<210> 264
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 264
 ctgtgatgag ttgataccag agtatctcaa ttttatccgt ggtgtggttg actctgagga 60
 tctgcccctg aacatctccc gagaaatgct ccagcagagc aaaatcttga aagtcattcg 120
 caaaaacatt gtttaagaagt gccttgagct cttctctgag ctggcagaag acaaggagaa 180
 ttacaagaaa ttctatgagg cattctctaa aaatctcaag cttggaatcc acgaagactc 240
 cactaaccgc cgcgcctgt ctgagctgct gcgctatcat acctcccagt ctggagatga 300
 gatgacatct ctgtcagagt atgtttctcg catgaaggag acacagaagt ccatctatta 360
 catcactggt gagagcaaag agcaggtgg 389

<210> 265
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 265
 gaggaattgg agaggccaga ataatcagaa aagctttgga ggggtagga tgtgacctac 60
 attttcagaa caagagtggg gtagaaaagg cattccaggt gggataaaca gcggaggcaa 120
 atacatgaga ggggaattaaa tctgttgtga tttatttgat agtaagattg acctgcctgg 180
 catcgagttg aaatagaggc aaaagacact gaatatttgc aaggaggtcc ttagaatgga 240
 gtgatatgga aataagcagc cattataggt tcttgagcag gaacattttg catgaaaagc 300
 actgctttgg aatgatgagt ctagaaaagg aacactgacc tctctaagggt ggcattctag 360
 ggagagacct gagtatttgg ggctgagatt gagagaggag cttacttttc ttggtatatt 420
 tttatttact attcaagttc tgcacatgt gtgtttactg cctattttaat aatta 475

<210> 266
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 266
 cctaggattg tgggggtaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
 gtttgttata attttttatt tttatgggct ttggtgaggg aggt 104

<210> 267
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 267
 ctgcctgtca cagaatccca tttcaaagag acgggccatc agggctgctg tctgatcttc 60
 agaaattatt agctgtgcag tgactggtgg ccagcaaac agggccttgt atgcagaggc 120
 agcaacagac aaagccccct tcaccagtc tccagcaatg ctgctcccat gatggtgctt 180
 tgagtgttca tagctcttct gtctgctgtt tacaagtcct gatgagcctc tgggctctcc 240
 tctgatctga tcagggactg aagaaacttc tggtatggta actggtaaact cactcctgg 300
 ggaacatga tgatgtacac aaggagagct cctgggcagt gacggtggaa gctccactac 360
 ctctgggatt aggggcactg tttccagagt ctgtgaggtc gtgaggatgt cacttatgct 420
 gtgctcctgt ggctggttct cccctccagg gagtcttttc ccagcctcag 470

<210> 268
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 268
 ctgggacccg gaaggcgggc gtcctgtctt ttgtgctctt tctaccgccc ccgctgctctg 60
 tcccgggggc tctcctagga tcccctttcc gtaaaagcgt gtaacaaggg tgtaaatatt 120
 tataattttt tatacctgtt gtgagacccg aggggcggcg gcgcggtttt ttatggtgac 180
 acaaattgat attttgctaa cagcaattcc aggcctcagta ttgtgaccgc ggagccacag 240
 gggacccac gcacattccg ttgccttacc cgatggcttg tgacgcggag agaaccgatt 300
 aaaaccgttt gagaaactcc tcccttgtct agccctgtgt tcgctgtgga cgctgtagag 360
 gcaggttg 369

<210> 269
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 269
 ccaaaccaac cgcacccctg aatttctccg caaatttctt gccggcaagg tcccagcatt 60
 tgagggtgat gatggattct gtgtgtttga gagcaacgcc attgcctact atgtgagcaa 120
 tgaggagctg cggggaagta ctccagaggc agcagcccag gtggtgcagt gggtagcatt 180
 tgctgattcc gatatagtgc cccagccag tacctgggtg ttccccacct tgggcatcat 240
 gcaccacaac aaacaggcca ctgagaatgc aaaggaggaa gtgaggcgaa ttctggggct 300
 gctggatgct tacttgaaga cgaggacttt tctggtgggc gaacgagtga cattggctga 360
 catcacagtt gtctgcacc tggtgtggct ctataagcag gttctagagc cttctttccg 420
 ccagg 425

<210> 270
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 270
 ctggagcgct cacctggttg aattcaaagt cccagaaggc cccgctggcg tgaagccggc 60
 cccttacatt ttgcgaagtg cattatagtc cttgtttttc tctccctcgt gggggcaacg 120
 accctcccc tggcagtagg ggtgggtag gtgactctcg ctagatccct ccaaagcaga 180
 ccggtggcga tgtcagcgga tgtcacgagc tcgttagctg cgttcgggga aggttggggc 240
 gtcagggagc tctcgatca cagcagcccc cgccctctcc tagg 284

<210> 271
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 271
 aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
 gtgtaaaata cttacaata cattagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
 aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
 ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca caggtccagg 240
 ctgcagagcg gcagcaggaa gcagagcttc ccacctgctt ctggggggacc tggtaataaa 300
 aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360

```
<210> 272
<211> 56
<212> DNA
<213> Homo sapiens
```

```
<210> 273
<211> 414
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G
```

```
<400> 273
ccatcaatga  ctgcagcaaa  gcaattcaat  taaacccag  ctatatcagg  gcaatattga  60
ggagagcaga  gttgtatgag  aagacggaca  agctagatga  agccctggaa  gactataaat  120
ctatattaga  aaaagatoca  tcaatacatc  aagcaagaga  agcttgtatg  agattaccta  180
agcaaattga  agaacgtaat  gaaagactaa  aagaagagat  gttaggtaaa  ttaaagagatc  240
ttgggaactt  ggttctccga  ccttttgggc  tctccacgga  aaatttccag  atcaaacagg  300
attcctctac  cggtctgtac  tccatcaatt  tcgttcaaaa  tccaaataat  aacagataac  360
aaagataaca  aaagctttac  aagctgactt  gganttggt  gctgcttgcc  gtta  414
```

```
<210> 274
<211> 166
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 130
<223> n = A,T,C or G
```

<400> 274
cctcggccta aaggtctgga ggggtgagcga cctgcgagac tcacaagagg ggaagctgac 60
agagatacct acagacggag tgctgtgcc a cctggtgccg acaagaaagc cgaggctggg 120
gctgggtcan caaccgaatt ccaqttttaca ggcggatttg gtcgtg 166

```
<210> 275
<211> 255
<212> DNA
<213> Homo sapiens
```

<400>	275						
atcgtgtgct	gcctggagga	gaagcctgga	gaccgtggca	agctggcccg	ggcatcaggg	60	
aactatgcca	tcgttatctc	ccacaaccct	gagaccaaga	agaccctgtg	gaagctgcc	120	
tcgggtccca	agaaggttat	ctctcagcc	aacagagctg	tggttggtgt	ggtggctgga	180	
ggtggccgaa	ttgacaaacc	catcttgaag	gctggccggg	cgtaccacaa	atataaggca	240	

aagaggaact gctgg

255

<210> 276

<211> 460

<212> DNA

<213> Homo sapiens

<400> 276

```

aaacaaccaa aaagaattgt aagggtggct tgctgccagg cttgcaactgc cgttcctggg 60
ggtgtgcatc ttcgggaaag gtggtggcgg ggcgtccact aggtttcctg tcccctgctg 120
ctccttccgt aagaaaatga aatattctat gcctaatact cacacgcaac atttcttgta 180
ctttgtaagt cgtttgcgag aatgcagacc acctcactaa actgtaaagc gtaaagagat 240
ttttactttt ggtctccgtg ggtcgcacat ctactaagggt ttacacagga attccacctg 300
aagacttggtg ttaaagtctt acagcgcgca ctgttactga acgtcttttt cttcagccta 360
tacgcggatc cttgttttga gctctcagaa tcaactcagac aacattttgt aactgctgct 420
gttgctttct acatacacct tataaaagtga catttcaaaa 460

```

<210> 277

<211> 348

<212> DNA

<213> Homo sapiens

<400> 277

```

ctgttgatgc cagtgtcttc taactcatgc tgtccttggtg attaaacacc tctatctccc 60
ttgggaataa gcacatacag gcttaagctc taagatagat aggtgtttgt ccttttacca 120
tcgagctact tcccataata accactttgc atccaacact cttcaccacac ctcccatacg 180
caaggggatg tggatacttg gcccaaagta actggtggta ggaatcttag aaacaagacc 240
acttatactg tctgtctgag gcagaagata acagcagcat ctcgaccagc ctctgcctta 300
aaggaaatct ttattaatca cgtatgggttc acagacaatt cttttttt 348

```

<210> 278

<211> 292

<212> DNA

<213> Homo sapiens

<400> 278

```

cgcgaccatt cgggtggccga gagcctcaac tacgtggcgt cctggaacat gagcatgctg 60
cagacccaag acctcgtgaa gtccgtccag gccacgactg agaacaagga actgaaaacc 120
gtcaccttct ccaagctctg agagccctcg cgtcccaggc cccagccagg gggccggcct 180
tgtccgcctt catccacaga aaggaggat gggcgatgac agttgtttct atgccttctg 240
accagtttcc ccagtttata actttatgac aatgagtttc tcaagcccaa gg 292

```

<210> 279

<211> 74

<212> DNA

<213> Homo sapiens

<400> 279

```

ctgttgctgt cttcatgagg gcagaggagg agccgggtgg cagtgtgggtt atttggtcag 60
agtgtcccct ggga 74

```

<210> 280

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 161, 169, 170

<223> n = A,T,C or G

<400> 280

```
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg cttcatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tggtaggtgg cgtggagggt gtttcggtgg 120
gaatgacaac ttcgggtcgtg gaggaactt cagtggtcgn ngtggcttnn gtggcagccg 180
tggtaggtgg ggatatg                                     197
```

<210> 281

<211> 341

<212> DNA

<213> Homo sapiens

<400> 281

```
ccttgctaaa aaggagaagc ctaaaaaaga taaaattccc acggcagttc tgttcaactg 60
tagcctgtga gtgcaggaat aatgttcccg tggggaagca ttatgccagc tggttttctg 120
gtgtcaacgt gggaaagccc ttgaggtttt ctgtcgtgtg caggaggaag cacgaaaact 180
gtttatggaa tccagtcgac gttcaggcac cgcgcgatga acgcaaactg gtctgagact 240
tcctctatca ctttggtctg gggcttcccc gcccggtggc ccgccttggg gtccacgtgg 300
ataagcaggg ggttgctttg ctctctgctg cggccacaga t                                     341
```

<210> 282

<211> 382

<212> DNA

<213> Homo sapiens

<400> 282

```
tttttttttt ttttttatgt gttgtcgtgc aggtagaggc ttactagaag tgtgaaaacg 60
taggcttgga ttaagggcag agcgatttct aggatagtca gtagaattag aattgtgaag 120
atgataagtg tagaggggaag gttaatggtt gatattgcta gggtagggct tccaattagg 180
tgcattagta ggtggcctgc agtaattgta gcggttaggc gtacggccag ggctattggg 240
tgaattagta ggctgatggg ttcgataata actagtatgg ggataagggg tgtaggtgtg 300
ccttggtgga agaagtgggc tagggcattt ttaattctag agcgaaagcc tataatcact 360
gcgcccgcctc ataaggggat gg                                     382
```

<210> 283

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 283

```
ttttttttta tatcaaaaca tttatttttt gtgttacaaa aacacaaata aatccaagca 60
gataatgaaa taaacacatt ttttagtgtt cccatcctgg gttctctgcc ctagaatgta 120
ttaagcaggt caagtttagg ttacttcaac acttctctgt gatgctatga agtctccatc 180
```



```

ttataacccat gtttctctag ttcagctcgt aactgattag agaagtcac cctctacattg 240
tcatcatccc aattatcctc ccagacatgt gcatcttcat ctcatctaa gccagcccag 300
tcttcggcag ggaactcttc aaactcgtcg tcttctctta acagacctaa gtctaccggc 360
tgctttttct ctgacatctc gactgtccgc gcccaacacc tcccagataa gcagaaaagt 420
tggaaccctc actcttcc                                     438

```

```

<210> 284
<211> 238
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 216, 221, 228, 229
<223> n = A,T,C or G

```

```

<400> 284
cctaccgcgc gcagtactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
tctcatcaac aaccgactaa tcaccacca acaatgataa ccatacaca cactaaagga 120
cgaacctgat ctcttatact agtatcctta atcattttta ttgccacaac taacctcctc 180
ggactcctgc ctcactcatt tacaccaacc acccancat ntataaannt agccatgg 238

```

```

<210> 285
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 285
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt taagaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttg                                     275

```

```

<210> 286
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 286
aaatagctta caaggaatag tggttatatt tatagaacat tttataaaac agatttacac 60
ttgcaacacc aacaaaagct tgaaaataaa agtttaccta aagtaaaatt ggtggctggg 120
tttggtggt cagcctgta atcccagcac tttgggaggc caagggtggg ggatcacttg 180
agttcaagac cagactggag gacatagcaa gacctcgttt atattggga aaaaaaaaaat 240
tatcagggtg tggcatgcac ctgtagtccc agctactctg gaagctgagg tgggaggatt 300
tcttgagcct ggaagattga ggctgcagtg agcaacaatg gcaccactgc actcaaaaaa 360
aaaaaaaaaa aattgagagt caataactgc aataaaacttt ttttaagtata atcaaatgag 420
ttcaactgtc acgttaagat gccttgaatt cttttgattt tctagttcca atttctagct 480
ttaat                                             485

```

```

<210> 287
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 287
ccacagagat ccctgacttc aatcaggatg acttgggaaga ggatgatgtg ttcctactag 60
atgtctggga ccaggtcttc ttctggattg ggaacatgc caacgaggag gagaagaagg 120
ccgcagcaac cactgcacag gaatacctca agacccatcc cagcgggctg gaccctgaga 180
ccccatcat tgtggtgaag cagggacacg agccccccac cttcacaggc tggttcctgg 240
cttgggatcc cttcaagtgg agtaacacca aatcctatga ggacctgaag gcggagcttg 300
gcaactctag ggactggagc cagatcactg ctgaggtcac aagccccaaa gtggacgtgt 360
tcaatgctaa cagcaacctc agttctgggc ctctgcccac cttccccctg gagcagctag 420
tgaacaagcc tgtagaggag ctcccccgag ggtgtggacc ccagcaggaa ggaggaacac 480
ctgtccattg aagatttcac tcagg                                     505

```

<210> 288

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 40, 42, 337, 428, 461

<223> n = A,T,C or G

```

<400> 288
caagcttttt tttttttttt ttttttttga ttttttagtan anacgggggtt tcaccgtggt 60
agccaggatg gtctcgatct cctgacctcg tgatctgccc gcctcagcct cccaaagtac 120
tggtgattaca ggtgtgagcc accgcaccca gccattatt attttttgag acaagtctcg 180
ctctgttgcc caggctggag tgcagtggca tgatcttgcc tcaactgcaac ctccacttcc 240
tggtttcaag cgattctcct gcctcagcca cccgagtagc tgggattaca ggtgcgtacc 300
accacaccca gctaactatt ttttgcattt ttagtanaga tgggatttca ctgtgttagc 360
caggatagtc tcgatctccc gacctcatga tccgcctgcc tcggcctccc aaagtgcctg 420
gattacangc gtgagccact gtactcggcc aaagctttta nagaa                                     465

```

<210> 289

<211> 480

<212> DNA

<213> Homo sapiens

```

<400> 289
gtgttcccag tgccacaccg ttgaaaaggg aggcaagcac aagactgggc caaatctcca 60
tggtctcttt gggcggaaga caggtcaggc ccttggtatc tcttacacag ccgccaataa 120
gaacaaaggc atcatctggg gagaggatac actgatggag tatttggaag atcccaagaa 180
gtacatccct ggaacaaaaa tgatctttgt cggcattaag aagaaggag aaagggcaga 240
cttaatagct tatctcaaaa aagctactaa tgagtaataa ttggaaattt ccatatgatt 300
tattgttggt ccttgtagat aagaaacagt aatatacaac ttacactgct ttagaatgta 360
aaatggataa aaatgtgtac aaaaaaagca cattcctaga aaaaggtatt ggcaaatagt 420
aaaaatggga ggtcaaaagc aaaaaaaaaa aaaaacaaaa caaaaaaaag aaaaaccaac 480

```

<210> 290

<211> 551

<212> DNA

<213> Homo sapiens

<400> 290

```

aaatacaaaa ggtgtcttgt gttgcttaat catacagttt cgtacatttt gtatagatat 60
tcctcactct acagtcacag atttggaag attccgtggg aaatcaacat catagcctct 120
cagcacagca aggtggaaag ccagcaactg taaagggatc acgctgagaa tgccctgcaa 180
gcagtccact gagtggggca ccttgatcgt tctttttgtg ttcttaatgg tctcagtatc 240
ctccttatca caaattacca caggccgccc ctgccgagca accacttgct gaagagcatt 300
ctgacacttg gcataagtgt gatctctcat gatgatcatg atcacaggca tcaatttata 360
caccaaagcc agagggccat gtttcaattc accagcaagg atgccttcag agtgcatata 420
agtaatttct ttgattttca gtgccccttc aagacaagta gcataatgat agcctcgtcc 480
cattatcaga actgacttct gatgataaag ttctgttgct agtttctgaa tttcgtcatt 540
catgctcagt a 551

```

<210> 291

<211> 480

<212> DNA

<213> Homo sapiens

<400> 291

```

aaattctttg tgcagagagt ttcagcttca gatattcttc ctgtgtctat tagaccagtg 60
acagcttggtg agagagacca cttttcaagg gactggttgt aattttcaaa gaatttttcg 120
tctttaattg aagcagaaac agcagataac agtgccaagt ataaatctat actctttggc 180
tgagtgttgt tactaaggc cagtttatca tcagcgtgac aggctgccat tagcccagcc 240
cagatagcag gatcacctgg agaaaggaga gctgccttct gaatgggtctt tagtgagta 300
ttttttcatc ttctgctgaa ctgcttccca tagccaaactg atttaccgca gtgtacagta 360
atgccttctt tccatgattt ggtccagaa tatgggccac atttctgtct acaacacctc 420
cctttgcatt tcgttgagca tactgtgcaa caactcgaga caacagagac caaagagcag 480

```

<210> 292

<211> 294

<212> DNA

<213> Homo sapiens

<400> 292

```

ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggtact tcatggcagc tatccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtctt cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

```

<210> 293

<211> 474

<212> DNA

<213> Homo sapiens

<400> 293

```

ctgctgggca tgctgtgtgc ttgcatcgtg ttgtgcagaa ggagtagaga tcttgcttac 60
gagctcctca tcaactggcg aacctatgca tagttgacaa ctcaagcctg agcttttttg 120
tcttgttctg atttgaagg tgaattgagc aggtctgctg ctggtggcct ctggagttca 180
tttagttaaa gcacatgtac actgggtgtg gacagagcag cttggctttt catgtgcccc 240
cctacttacc tactacctgc gactttcttt ttcttggtc tagctgactc ttcatgcccc 300
taagatttta agtacgatgg tgaacgttct aatttcagaa ccaattgcga gtcattgtagt 360
gtggtagaat taaaggagga cagagcctg cttctgttac ctccaagtgg taacaggact 420
gatgccgaaa tgtcaccagg tcctttcagt cttcacagtg gagaactctt ggac 474

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<210> 294
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 294
 tttgtgtatt gcggaagaa ggcccagctc aacattggca atgtgctccc tgtgggcacc 60
 atgcctgagg gtacaatcgt gtgctgcctg gaggagaagc ctggagaccg tggcaagctg 120
 gccggggcat cagggaacta tgccaccgtt atctcccaca accctgagac caagaagacc 180
 cgtgtgaagc tgccctccgg ctccaagaag gttatctcct cagccaacag agctgtgggt 240
 ggtgtggtgg ctggaggtgg ccgaattggc aaacccatct tgaaggctgg ccgggcgtac 300
 cacaaatata aggcaaagag gaactgctgg 330

<210> 295
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 295
 cctgacattc ctgcctgaag cttggcgctc ttgatggtct agggggcttc caaggtgac 60
 gggcagtgtc agtcttcagc cgctaagccg agaagatctg ggaaggagtc agtcagagag 120
 ccttggggcca gagttccagg ggctctggga gtggctgccca ggtgagttga acagtccgat 180
 tttcagtggg gtccacacac gatgggacgc ggcttaggag gaatccgggg ctgcggggcat 240
 tccttggccc agtgg 255

<210> 296
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 57, 79, 96
 <223> n = A,T,C or G

<400> 296
 ttgggcggat agcaccgggc atattttggg atggatgang tctggcacc 60
 aacgaggact tggctctant tgagcaattt ggctangagg atagtatgc 109

<210> 297
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 297
 ctgctgcctg gtgtactccc agatcagcag ggctccactc acatggacat tcagggagcg 60
 gataatgccc tgttgaggaa tttccacaca aacgtccaac tgttgatca gatttgcctg 120
 aattccctca cgttcatttc ccaacaagag cagagatttc tcaggaaagc aatattgggt 180
 taggtctaaa cttttggcag tttgttccac tccaatgatg gtataacctt ctgttttctt 240
 ctgctgcaga taatcaatta gctgaggtgg ttttacctcc actagaggaa gccactgttc 300
 tgcagagaca ctgaggtgct gaaactgttt gtcgctga 338

<210> 298
 <211> 476

<212> DNA
<213> Homo sapiens

<400> 298
 aaaaaaacag aaaggggagg aggatgacct taactacaaa taatattcca ctgcaacatt 60
 attgctgtaa aacttccaag ctggctgttc ttccagatgc tctcttttga tggctgtagt 120
 ggctgacaga tttatattta catgttcaaa acaattaatg cttccattta ttcatagatt 180
 ctctgagggt cccgtagaac cacaccacct tctgtcatgg cactttgtag tegtttcatg 240
 agtggaggcc gaaaccacaa ccttgccatt ctgatgctcc acaagtgctt ctacatgatg 300
 ctgagtcctt ataactcgca acctgtgcta gaactcacgg gagggaaaca cgtcccgcca 360
 gccccgctct ttcttggtta cagataaaag ctccagggtc cggggggttc ggttggtgaa 420
 ttctggggcg acagcttcat tttccacagg gtccacttca ggtttcgctg ccggct 476

<210> 299
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 218
 <223> n = A,T,C or G

<400> 299
 ctgtgaagga aagaattgcc aaattctttg gaaaagatat tagcacaaca ctcaatgcag 60
 atgaagcagt agccagagga tgtgcattac agtgttcatg aagtcttttag tcgaaaccat 120
 gctgctcctt tctccaaagt tctcaccttt ctgagaaggg ggcccttttga gctagaagct 180
 ttctattctg atccccaagg agttccatat ccagaagnaa aaataggccg ctttgtagtt 240
 cagaatgttt ctgcacagaa agatggagaa aaatctagag taaaagtcaa agtgcgagtc 300
 aacacccatg gcattttcac catctctacg gcattctatg tggagaaagt cccaactgag 360
 gagaatgaaa tgtcttctga agctgacatg gagtgtctga atcagagacc accagaaaac 420
 ccagacactg ataaaaatgt ccagcaagac aacagtgaag ctggaacaca gccccaggta 480
 caaactgatg ctc 493

<210> 300
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 472
 <223> n = A,T,C or G

<400> 300
 gagcgccgc cggcgaggtc tgccaaggag accctgttat gctgtgggga ctggctgggg 60
 catggcaggc ggctctggct tcccaccctt ctgttctgag atgggggttg tgggcagtat 120
 ctcatctttg ggttccacaa tgctcacgtg gtcaggcagg ggcttcttag ggccaatctt 180
 accagttggg tcccagggca gcatgatctt caccttgatg cccagcacac cctgtctgag 240
 caacacgtgg cgcacagcag tgtcaacgta gtagttaaca gggctctcgc tgtggatcat 300
 caggccatcc acaaacttca tggatttagc cctctgtcct cggagtttcc cagacaccac 360
 aacctcgcag cctttggccc cactctccat gatgaaccgc agcacaccat agcaggccct 420
 cgcacagca agccctccta ggagtttgta acgcagagac tctgcctggg cnatggcaca 480
 cagacctcta gtgg 494

<210> 301
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 432
 <223> n = A,T,C or G

<400> 301
 tagagccgga gctgccgcgc cagtcgccta gcaggctctc taccggctta ttccctgtgcc 60
 ggatcttcat cggcacaggg gccactgaga cgtttctgcc tccctctttc ttccctccgct 120
 ctttctcttc cctctcgttt agtttgctg ggagcttgaa aggagaaagc acgggggtcgc 180
 cccaaacccc ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
 tcttccctct tctcccgaact atttggaag aagcagatgc gcattttgat gggtggattg 300
 gatgctgctg gcaagacaac cattctgtat aaactgaagt taggggagat agtcaccacc 360
 attcctacca ttgggttttaa tgtggaaaca gtagaatata agaacatttg ttccacagta 420
 tgggatgttg gnggtcaaga tagaattagg 450

<210> 302
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 302
 cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
 gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
 caagatcctg agtgacatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
 tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 303
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 417, 461
 <223> n = A,T,C or G

<400> 303
 gttgcttctt tgaagatggg actccttggg tatcaagacc tatgccacat cacactgggg 60
 ctagggaagt aggtgatgcc agccctcaag tctgtcttca gccagggact tgagaagtta 120
 tattgggcag tggctccaat ctgtggacca gtatttcagc tttccctgaa gatcaggcag 180
 ggtgccattc attgtctttc tctcctagcc cctcaggaa agaaggacta tatttgtact 240
 gtaccctagg ggttctggaa gggaaaacat ggaatcagga ttctatagac tgataggccc 300
 tatccacaag ggccatgact gggaaaaggt atgggagcag aaggagaatt gggatttttag 360
 ggtgcagcta cgctcaccct aaacttttgg tggcctgggg catgtcttga ggcccanact 420
 gttaaccagg ctctgctggc ctgtttactc gtcaccacct ntgcacctgc tgtcttgaga 480
 c 481

<210> 304

<211> 338
 <212> DNA
 <213> Homo sapiens

<400> 304
 aaagttcttt atagggtag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
 gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg tctaatttat 120
 catgactgat agatctggtt aagttgtgta gtaaagcatt agggtcattc ctgtcacaaa 180
 agtgccacta aaacagcctc aggagaataa atgacttgct tttctaaatc tcaggtttat 240
 ctgggctcta tcatatagac aggcttctga tagtttgcaa ctgtaagcag aaacctacat 300
 atagttaaaa tcctggtctt tcttggtaaa cagatttt 338

<210> 305
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 305
 ggtcgctccc ctcctaaggc aggaagatgg tggccgcaaa gaagacgaaa aagtcgctgg 60
 agtcgatcaa ctctaggctc caactcgtta tgaaaagtgg gaagtacgtc ctgggggtaca 120
 agcagactct gaagatgatc agacaaggca aagcgaaatt ggtcattctc gctaacaact 180
 gccagctttt gaggaaatct gaaatagagt actatgctat gttggctaaa actggtgtcc 240
 atcactacag tggcaataat attgaactgg gcacagcatg cggaaaatac tacagagtgt 300
 gcacactggc tatcattgat ccagggtgact ctgacatcat tagaagcatg ccagaacaga 360
 ctggtgaaaa gtaaaccttt tcacctacaa aatttcacct gcaaacctta aacctgcaaa 420
 attttccttt aataaaattt gcttgt 446

<210> 306
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 193, 213, 214, 219, 244
 <223> n = A,T,C or G

<400> 306
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tcctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggtcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gcnaatgttg ggtgaacggc tgnnccctnt tattaagcca tgcaccctac 240
 tctngctggt aaaatcactg gcatgtt 267

<210> 307
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 307
 aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
 gcttcacaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
 tctttttaga tgcttgctta gccttttttg cttccttagc agccctgata gcttggttctc 180
 gttgagcctt tctaacttca ggtttctgat tctcttgg 219

<210> 308
 <211> 374
 <212> DNA
 <213> Homo sapiens

```
<400> 308
ccacaaatgg cgtgggtccat gtcacaccca atgttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacagg aggaatgtac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggaggagaa 360
gagatgtact tttt                                     374
```

<210> 309
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 402
 <223> n = A,T,C or G

```
<400> 309
aaattgcatt tttacaagtt gttttttaat tagtgttcta tttacattgc agaacttcca 60
ccaactgcag tagtttaact ttggcacaac attaaagttcc atttcttttg ggtattggat 120
cctgcttttt gagtgtgtat gcccacaaac gttttcaatg tcatcaaaga ttggggcaaat 180
tcacagtaaa tcagacatct tgagttgaag aattgattct ccttcaacgt tttaggcaga 240
tttcagtcac ctgattttaga cagcttccgt ttcacatgtc gtggagggtc ccaagtgtca 300
ctatcatctg tttcttcttc atcctcttcc tggatcatcaa taacttcac ttctctctca 360
ttttcctcaa ataattctat acctaatct gatcttctct gnttttctgc aaaccactct 420
ctgacctgct catagcccat atgtgatttg ttaacaagtt catcaaggtc ttgctcatta 480
agaaacttgt gtttca                                     496
```

<210> 310
 <211> 245
 <212> DNA
 <213> Homo sapiens

```
<400> 310
tcggaagtga gcaaaaactgc cgcaagtctg cagcccggcg ccaccatcct gcagcctcct 60
cctgaccacg gacgtttcca tcagggtcca tcccgaata ctctcggttc cacttcccc 120
tggtggttct cctgacccag tcccgtgcc ccgctcccc gaaacaggcc actctcctcg 180
gccccctcca tcgggctgag gaagcacagc agcatcttca aacatgtaca aaatcgattg 240
gcttt                                     245
```

<210> 311
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 311

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 318

```
ccagggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgcggttgg catcgtagag tgaacacaac ccaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggcat gtctaaaggc catcgtattg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgtcctt aagaaactta aagcctggaa tgatatcaaa aaggctctatg cctctcancg 300
aatgagagct ggcaaaggca aaatgagaaa ccgtcgccgt atccagcgca ggggcccgctg 360
catcatctat aatgaggata atggtatcat caagg 395
```

<210> 319

<211> 458

<212> DNA

<213> Homo sapiens

<400> 319

```
ctgtgatggc ttggagaaac agtgtaaacc ggcagtgtaa acaagagcag ggcatgtatg 60
agtagttgag aacggtgaat aggagtatga ctacacagaa gatagtaggg atgacaagtt 120
ttttggggca cagtctaagt tggtcgggtg tctggaatga gaatgggacc taataaaaag 180
aagcgtctat acaggagctt aaatgggctg taccttgtag cattctgagg acaggctctga 240
cttctgagga gggaaagtgg taaaagtatt gtccagtcct ttttaagttg gtggctgagc 300
ttgttgaggt gtgtttttaa tagaccatta gtctgtcact gaatactaag agcctgaaaa 360
actgcttggc tgatttgact aataaaggct ggtctgttat cagactgtat agaggtggga 420
aggctaaact gaggaattat gtctgacaga agggaaga 458
```

<210> 320

<211> 498

<212> DNA

<213> Homo sapiens

<400> 320

```
aaacatgata gtccataacc attttgaaat gctgggcaaa ctacatgaag ttatttataa 60
ttaattcaca gctaatacagg cattttgaaa gcttaattgg attcaaaaac cataatgttg 120
gaatttggtg aaattttaat gttgattttt actgtgaaaa ggtttttata agatatacac 180
accctagttt aatgttgtgt cttggtgtgg atttacagat ttactacagg tattctgaac 240
caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
agtaggacat catactaaat gttatgtcag tgggactgta ctgtctgtgg aacttagcaa 360
attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttgag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gttgacttcc tagtataa 498
```

<210> 321

<211> 283

<212> DNA

<213> Homo sapiens

<400> 321

```
ccacagcctg agtgacgaat ttcttactga atgtaccaag ttccaatttt taaggggggg 60
```

```

aaaggtttca aatggggaaa aacacacaaa aaaaaatcac taaaaattcc cacaaatctt 120
gtttctggca ctttagaaaa actgcaaaaa aatacgtaat aaagaatata tatatatata 180
tctacacaca aattatatat ctatctatct atacagcgga accacaagag agactgagga 240
aggatttttt tcaatgtcct tttccaaaag tggcagtaag cag 283

```

```

<210> 322
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 322
ctgtcacctt ggacttggtg gagatgcagg ggctagaaaag gaaatgacag agtgtacagg 60
ccccttcgac cccgtgtccc atagggtggtg gccccagac acaccctctc tgctggcagg 120
gcagaacatg catcccaata ccctagagga gaaacaccac cccagggaga gccctttctg 180
ctccaacctc ctgggcagggt cccaggttgg ggcagcagcc atctgcagggt gtttgtcagg 240

```

```

<210> 323
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 173, 175, 244, 264, 301, 304, 305, 306, 314
<223> n = A,T,C or G

```

```

<400> 323
ccaattcttc ttctccccc caccaaaaga catgtgagca actgctaata aaaagcanta 60
aacagccgct taggctatag cagtttcaac ttcactctga ggtgaagatt ccaattacat 120
tcgagactta agttctttca attttttctt aacaaaagtt cctgagtcca gtntntacaa 180
tattacagca ctagcagatc agtgtctaca actcatcttt ttctgctgta tctctttcac 240
cagntggggg agggcctgca cttncataga gtttgctgat aattggttga acaatttctt 300
ncannncctt cttntta 317

```

```

<210> 324
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 324
ctgttcttag gggtcactga gcgtctacct cctcctccag aggaggettg ctcagaacgc 60
ctagaggagg gggccgggga tgcaccccc accagaggct gccttcagcg tctcacgggt 120
gcaggacagc gctcaggctt gggctctaag ctctgtgtct agtgtagaac atggggaagg 180
agcatcttag gaactgctga agtaacttct tactgctctc acaattctaa ggaagcggga 240
gaacggcctc ctaccaacag cgcccacccc agagctgcct gggaaagggc agttttactg 300
aaaggtgctt tactgttcac ctgcatcttt cagcagctcc cctcctgccc tcacctgggtc 360
ttttccctct ttatcccaag cctttatgct tgantccctt ccccaggggc tgcccacccg 420
acagttccag gcattcccta cctgagcttc ttgtctgctt ttcttctctc cactgcaa 478

```

<210> 325
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 325
 ggaagggctg ggggcctgaa taatccctga ggagtagtag aatagcagat ggaacactga 60
 gaagttatTT ccttgaggat agatttccac gatggaaagg aaatgagagg ttctgagagg 120
 cgggatagtg gcttgacta t 141

<210> 326
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 326
 aaacaaagca gtgcagttct tagccaaggg taagtactgc aactgtcgag agcatcttgt 60
 cttccacaca gttgggtgac tctccgtttt gacacaaaga taagccttgc ccttgtttcc 120
 ttttgggagg gatatatcca ctgagatgag aggccaaact ccgtttttca cgagattttt 180
 tgacttttag cttcattttt ttcttggtcag gatcatgtac aacagcatgc ctagtgagac 240
 tttgtttcat tgcaaatgtt ttgccacagc cagcatgttc acacacaaaa gggcggcctt 300
 cctcatggaa ggagaggata tggccttggg gattaaacac agttgtatag gttcttccac 360
 agccttctct tggacagcga catacatccc tttctggggc atgagttttc atgtgttgct 420
 taaggtaatc tttgcgttt 439

<210> 327
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 327
 aaagatcaat ttccccagag ggtgtgcaat gcatcataaa atggcccttt tttgaggatg 60
 ggagaggaag ggttgggcag gatggaatat taaattgtaa catgataaac atgcaagact 120
 gttatccaat ctagataatt tatatacatt ttgatgactt aggaaaacaa agcaatcatt 180
 tgtgacaagc ctaaaaagct tgacatattt aacatactta ggaacttttt ttgtgcgggtg 240
 ggaattctct aattgtatca tgtgggcctt ttgaaagtaa caaacagaag gccagtctgt 300
 tgcaagtttg ctgctgaaca tcacattcca ccctaagaaa acacaagggtg gattgcatcg 360
 aggggtggata ccttacctta gcacagaagg aaaaagtatg tcagtgcaaa gtatggacta 420
 aactgctttc aggaaaaaag ttgtaaaaat tgatacaggt tggaaaaggg aattttcctt 480
 cccggcttgg agtcctccca atttaaggca gaacccatcc actccaattt ctgcagtt 538

<210> 328
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 328
 ctggctctta cctcctggct ttctctccta caaacacacc cattccttgg gggcttgtaa 60
 cacagtgcga ggtgggtcac caacaggcat cagactggtg tagtcatcag cgggtagctg 120
 gtaggcttgg aagacgctga gcagatcctt cataccagcc gtgtatggga caccctgcat 180
 gcggaccaag gctcctgact gggacaacac tgagggtggg gcagaggcca gggcagcagt 240
 ggggtgtagt aggtagccca cagtgggtgg ggagactggg gggcttgggt agtaggctgt 300
 gtagttcagg tagagttgag tggctggccc tggatagtag gcaacagggg tgggggcagc 360

aggcaccctg gcag

374

<210> 329
<211> 270
<212> DNA
<213> Homo sapiens

<400> 329
ccaggtagag gccagagagc agggccagca cctccatcac caccacacc agcgctgtgc 60
ttgcacacag gccagcacc tccgggaaga accttttctg aatgcccagt gccatcccag 120
ccaggagcac gtaagtaatg aaggccatcg tggggatata gaggtcaggg gcgttgaggt 180
cttgccgggg gggcagagga gcatcacgac tgtactgcac ttcccagttc tgggtgtgtgt 240
aggggaagac cagcagccct agcttcttgg 270

<210> 330
<211> 402
<212> DNA
<213> Homo sapiens

<400> 330
aaaataagca caccaagtta tatgactaat ataacttgaa aattttttat actgaggggt 60
tggtgataac tcttgaggat gtaatgcatt aataaaaatc aactcatcat tttctacttg 120
ttttcaatgt gttggaaact gtaaaatgat actgtagaac ctgtctccta ctttgaaaac 180
tgaatgtcag ggctgagtga atcaaagtgt ctagacatat ttgcatagag gccaaaggtat 240
tctattctaa taactgctta ctcaacacta ccaccttttc cttatactgt atatgattat 300
ggcctacaat gttgtatttg ttatttatta aattgtgatt gttttattat tgtttatgcc 360
aaatgttaac tgccaagctt ggagtgacct aaagcatttt tt 402

<210> 331
<211> 351
<212> DNA
<213> Homo sapiens

<400> 331
ctgggaaatt gagtttttga ctgaaacatg gagccttcac tgcttttttt ctgggttcta 60
tgaagatttg gaacatagaa aacacaaaaa ctcaccttaa aatttgagca ggtcggtgat 120
ggcaaaaata attttaagga aaaaggaata ttcttatgta gttattctaa agtttaagga 180
gcgttggtga ccataatatt gcttagtttt cttactgctg ttaagtaagt aaattgtttc 240
aaagtagggt ttgtgtgtgt gtgcctagt taaaagaact gaaattttga tgcttacage 300
acttggtcgc tgcatttgta tcaaaatttg cctgcctctt tatgaggag g 351

<210> 332
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 92, 472, 473
<223> n = A,T,C or G

<400> 332
cctatgtttt gaacgagacc aatctgttgg agaccctaaa attgacttaa ttagaacatt 60
aaatattcct gtattgactg tcatagagtg gncccagggt cacttctca gggagatcat 120

<221> misc_feature
 <222> 119, 170, 183
 <223> n = A,T,C or G

<400> 336
 aaaaaaaaga cattttattca gcgtcacgat cagactgtta catttagcaa tcaacagcat 60
 ggggtgcaaa aaaaaaaaaa tctacattaa aacctttgt tggaatgctt tacactttnc 120
 acagaacaga aactaaaata acctgttata caattagtca caaatacagn cctcgagttt 180
 ttngcccata cacatg 196

<210> 337
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 337
 ctgacgcgtc atttcagcat tttccagcc ttttttgaag ctctctagga agccttcccg 60
 tggaggtaat ttgtccaggt catgtacaac acgctggggg attttaagta cagtgcgtac 120
 tgctggaatc cggagacagg atacttgga cagggaac agattggagg agagccagta 180
 cataaacact gccgtgggga aatgcatggt tatgggcaag gttatcaggg gcatcattct 240
 gatgacattt ctcattccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
 aagaacagcc cacattgtag cagtgcactgc cagtggtaat atgtagatgg gatcgatac 360
 cgtgagatcc tggaaccacc agaggccacc tgtctgcagg ctgggcacag gaaggttgg 419

<210> 338
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 338
 aaatgcaaat ttttacatta aaatatgttt ataaatcata gtagttgttt tccctottga 60
 ttcaacattt ctccttcccc taacaggagc cctagaacct gaagagcatg tacattacta 120
 acgagatata caatccagcc acctgtcca aactggaatc tgattactaa tggactacac 180
 tcgaggctgc cccaaggga tgggaagcag taactacgct ctcagggaga atgggtactg 240
 aggatgccac cagtcaaaga gccgaacgct gtgcactggg tccaggatga cttgcacacc 300
 ctgttactg cgcagtttcc gaccaccatg gacaggggaa tcttggaaca ccagtctcac 360
 tcgatgatgc cgcagtgtcc tgctcacatt gatagtaaac agagtaaata tcattcccat 420
 gacaatcgga ataaagatga aattgagggt ggtgacctgc agtaggcagc agtcctgggtc 480
 tggattggta t 491

<210> 339
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 339
 ccatacaggg ctgttgccca ggccctagag gtcattcctc gtacctgat ccagaactgt 60
 ggggccagcg ccattcgtct acttacctcc ctctgggcca agcacacca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctgatgc tgg 323

<210> 340

<211> 512
 <212> DNA
 <213> Homo sapiens

<400> 340
 gctcccccta ctgcctatat cgacttcgcc cggcagaagc tagatcccaa gattgctgtg 60
 gctgcgacaga actgctacaa agtgactaat ggggctttta ctggggagat cagccctggc 120
 atgatcaaag actgcgagc cacgtgggtg gtcctggggc actcagagag aaggcatgtc 180
 tttggggagt cagatgagct gattgggcag aaagtggccc atgctctggc agagggactc 240
 ggagtaaatcg cctgcattgg ggagaagcta gatgaaaggg aagctggcat cactgagaag 300
 gttgttttctg agcagacaaa ggcatcgcga gataacgtga aggactggag caaggctgtc 360
 ctggcctatg agcctgtgtg ggccattggt actggcaaga ctgcaacacc ccaacaggcc 420
 caggaagtac acgagaagct ccgaggatgg ctgaagtcca acgtctctga tgcggtggct 480
 cagagcaccg gtatcattta tggaggctct gt 512

<210> 341
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 341
 ctggtaggga gcaattctat tatttggcat tgcattggctg gggtgaatta aaacaggag 60
 tgagaacagg tgagtctaga agtccaactc tgaaaaggac cactgtacat ttgaacacac 120
 ggctgtgtta aagatgctgc taatgtcagt cactgggtgc actaaaggat ctcttatttt 180
 atgtaaaacg ttgggattga caagatagat ctgatactct gttaagttac cctctgaagc 240
 tacttcttgt gaaatactaa tgacagcatc atcctgcca gcgaaagagg caggcataag 300
 caaggacaaa ttaaaagggg gtaagagcct tatcatgatg aggagtcttg ttttgacatc 360
 ttgggaaaag ctgtccatag tgtgaagtcg tcaatttctc accatgggtt gcagtttgcc 420
 tgtctctagt taggtgaagt ctctgagtgg cacacacctc agg 463

<210> 342
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 342
 cctagttgga tgcgggtcgg tcctgcccac ggccccagtg aggggagccg aggctaggaa 60
 ggggcaagtt ttatgtgttt gggagggggt gtctcttccc ggctcttgcg tcttccccct 120
 ggagcgtcag tatggtcggg ctctggtgac ccagccgctt tgctctccga ctttggaag 180
 agtagcaagg agaggtcctg gcaagtacac cctgggtgac aaacggctat gagagttccc 240
 aggtgatttc tcgagcagct tcagtttacc ggagcccagc caggagagag aatttttagca 300
 caggaaacgc aatcccgtgt ccaagctcct agaataccca ggactgagaa ccaaagcaac 360
 agacttttcc caggagacca cactgcctcc ccacctcttc tttaaccttc cacttgga 419

<210> 343
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 343
 ccttggtgtc ttcacatata ttctctgagc caacatctat ccagcagccc tgacctctg 60
 ctataattta agtctatttc cttttaatct aataagagtt gatagtaaaa aggcaggtga 120
 tggaaatcag tgtataaatc acaatggagt atattggcaa ctccacagct tatagtttga 180
 taaaggcaaa tacatgaaaa ataaaaatgc tactaatgcc ccaaggtgtc tatcaaaatg 240


```

ggggacgggtc gtattttctt cctacccgc caagtcatcc tttctactgc ttttgaggcc 120
ctccctcagc tctctgtggg taggggttac aattcacatt ccttattctg agaatttggc 180
cccag                                             185

```

```

<210> 348
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 348
cttgaggctt tcaggggttg tgacatcaag gctcaacctg tggatcagca ggaccagga 60
atctggagat caggaccccc aggaggcaca gaaagcatca tctgcaaccg agaggactca 120
gtggggacag aaatctgact cctcgctgga cgctgagggtg tgacaagccc cgccaagaca 180
gacctgcaag tcttcgtctc aagggacctc cctcatgccg ggccctgcc tctcacagca 240
gcaccctttc ctctcattgt ccctgttccc tttttgcctg tggatctgtt tgg      293

```

```

<210> 349
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 563
<223> n = A,T,C or G

```

```

<400> 349
ccaccatcat ttaatgacat tcaattaagc atttcttgaa caatttctac caaaaaaata 60
atttcctcct ctaaaacatt gataaaattg ataactgggt acctaacagt tgcaaaacat 120
gtctacacca ttctttagta tgaaaagcaa cataaaaaaa tggagcatca aaatatttta 180
tttcaaattt attttatgcc agatccaagc tgtaactgga acctattccc agtctatggg 240
tttctgaatt tcattttcct atttattgta tttttatgag aaacttggtg taatgagtct 300
gtaccacttt atttgacatt tactaaagct gtataaaagc cgtgcacagt ttatttacag 360
tattgtacat taaatgataa tgtttgaaga tcacacaaag atttcacaaa actataacta 420
atacagaaag atgtgtgaaa acattagggg ctttcaaaat tttaggtatg gaattttgca 480
aagattatth tggcttataa gtgttaggca atcactaacc tgaaataagt gacaaaaaca 540
tgcagatgat taccatttca acnaatg                                     567

```

```

<210> 350
<211> 528
<212> DNA
<213> Homo sapiens

```

```

<400> 350
cagagatcac gccactgcac tccagcctgg gcaacaagag tgaaactcgg tttcaaaaaa 60
aaaaaagaaa ttagacgtta aaaaaagatg tgacacatca tatcaaaatt gtctacacta 120
cattaaagga gttaaaaata ctgaaatgta gcaagacgaa cttgtctcga gacagggctc 180
tgctctgttg ccagggctgg ggtgcagtgg cgccattatg gctcactgca gtctcgacat 240
cccgttctca cgcaatcttc ctgcctctgc ctcttgagta gctaggccta cagctatgtg 300
ccactacgcc cagctaattt tttgtataga tgaggttttg ccttttttcc tttctgtaga 360
gatgagggtt tgccatgttc gccaggctgg tctcgaactc ctgacctcaa gtaaccgcc 420
cacctcagcc tcccaaagtg ctgggataac aggtgtgagc caccaccaog cacagccaaa 480
aatgcctttt tttttttttt gagacggagt ctgcgtctgt catccagt      528

```

<210> 351
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192
 <223> n = A,T,C or G

<400> 351
 tttttttttt tttttctggc tctagagggg gtagaggggg tggttatagg taaatacggg 60
 ccctattttca aagattttta ggggaattaa ttctaggacg atgggcatga aactgtgggt 120
 tgctccacag atttcagagc attgaccgta gtataccccc ggtcgtgtag cggtgaaagt 180
 gggttggttt anacgtccgg gaattgcacg tgtttttaag cctaattgtg ggacagctca 240
 tgagtgcag acgtcttggt atgtaattat tatacgaatg ggggcttcaa tcgggagtac 300
 tactcgattg tcaacgtcaa ggagtcgcag gtcgcctggg tctaggaata atgggggaag 360
 tatgtaggag ttgaagatta gtccgcc 387

<210> 352
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 465
 <223> n = A,T,C or G

<400> 352
 aaacaatttg ttaaaaaatt ttccgtctta ttccatttct gtaacagttg atatctggct 60
 gtccctttta taatgcagag tgagaacttt ccctaccgtg tttgataaat gttgtccagg 120
 ttctattgcc aagaatgtgt tgtccaaaat gccgtttagt ttttccttat ttctcttgct 180
 ctttcgtaca gggaggaatt tgaagtagat agaaaccgac ctggattact ccggtctgaa 240
 ctccagatcac gtaggacttt aatcggtgaa caaacgaacc tttaatagcg gctgcaccat 300
 tgggatgtcc tgatccaaca tcgaggtcgt aaaccctatt gttgatattg actctagaat 360
 aggattgcgc tggtatccct agggtaactt gttccgttgg tcaagttatt ggatcaattg 420
 agtatagtag ttcgctttga ctggtgaagt cttagcatgt actgntcgga g 471

<210> 353
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 353
 ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaaggccgac gaggatgact 60
 agacagcaaa aaaggaaaag ttaactaaa aaaaaaaggc cgccgtgacc tattcaccct 120
 ccacttcccg tctcagaatc taaacgtggt caccttcgag tagagaggcc cgcccgccca 180
 ccgtgggagc tgccaccgc agatgacacg cgctctccac caccacaacc aaaccatgag 240
 aatttgcaac aggggaggaa aaaagaacca aaacttccaa ggccctgctt tttttcttaa 300
 aagtacttt 309

<210> 354
 <211> 321

```
<400> 357
ctgttgctgt tattacagtc cagcttagaa gacaatacgt caggaaatat gaaggagaag 60
ctgaggaacg aaagaaactt cgacaagaga atggaaatgt acatgctata gcataactga 120
agataaaatt acaggatata acattggagt cactgccaaag tcatagtcat aaatgatgag 180
```

tcgggtcctct ttccagtga tcataagaca atggaccctt tttgttatga tggtttt 237

<210> 358

<211> 434

<212> DNA

<213> Homo sapiens

<400> 358

```
ctggggaggg cagcaatcta gcacgtttac caggctcaca gatggctcta gcttgaattt 60
gcgtgtgatg gcacttagaa cgcgtagctg ggaggcccgg tcctcatttg cccccacaaa 120
caccagcttg tcaaactctgc caggccgcag aagggcaggg tccaggagat ctggtctgtt 180
ggtggctcca atcacaaaca catcctgagt gctgtgcagc ccatctagct cggcaaggag 240
ctgagacacc accctgtcca tcaactctcc agaattctcca cttcgccccc ggcttggggc 300
caaagagtcc agttcatcaa agaagataat gcatggagct gcagccctgg ccttggaaca 360
cacttcccg c acattctcct cactttggcc cacatacatg ttaatgagct ctggcccctt 420
cacgctgagg aagg                                     434
```

<210> 359

<211> 219

<212> DNA

<213> Homo sapiens

<400> 359

```
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
tcttttttaga tgcttgctta gccttttttg cttccttagc agccctgata gcttgttctc 180
gttgagcctt tctaacttca ggtttctgat tcctcttg 219
```

<210> 360

<211> 361

<212> DNA

<213> Homo sapiens

<400> 360

```
aaaatcctgg ataattatat acttaaagct catgagcata aagctcactt gaccatgcag 60
aaatgctggg aagcagggtg catggcatgg gaatacatct cctgatctt tgagagagcc 120
tctctggata ttctttcaga gcatgagcca ggatgtactg actactttct tcacacatca 180
gttgcccttt atgatctcag ttcataaact ctttgttggt tgtagcaatc aaaagtcata 240
ttacttctgt aaaactaaca ttatataggg tgtatagtc cagacaaatt atatgaagct 300
agatttttct tgccctggcc caatttatca ttcctcctcc tgcccacacc tacctccctt 360
t                                     361
```

<210> 361

<211> 497

<212> DNA

<213> Homo sapiens

<400> 361

```
aaatacaggt ttgtagggtg gtattttgtt ttttccagct ataaaaaag gcccaaaagt 60
gcatgtgtga ggggggaaag gcagaaatta agcaataaag tcattttccc tggagggaca 120
tgagagggag aaaacaggag gcagtgtctg gagaacgcac tttcctcacc actgggcttc 180
ttgttattct tagtatttgt ccacaaaagt tatattcaca ttctagcttt gatgcctctt 240
tcctgggatt aaatgagctg aaagacctct gtgaactgta gagaagacca ggggctcagc 300
ccagcccagc ccagcccctc agggctctgt gctcttctag ggatggatgg ttttggtaaa 360
```

```

gaacagacgc ccagcagccc ccggtcactc agcaccagtg tgacagtccc tcctctctct 420
gggggtgtgt aagaaaacgg cccctatttt taggcacagga agagtagagg gggggcctgc 480
agcaagattc catgact 497

```

```

<210> 362
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 362
aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac tattaggagg 60
gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta aaatagaata 120
aagaatgagt cagatgagt tagccatttt aaccaagcag cacatttggt aatttctaca 180
acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg tcagaaactg 240
cacagactcc tcctgttca g 261

```

```

<210> 363
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 46, 126, 132, 156, 225
<223> n = A,T,C or G

```

```

<400> 363
gtacaagctt tttttttttt tttttttttt ttttttttta tggggngcgt gcaggtagag 60
gcttactaaa agtgtgaaaa cgtgggcttg gattaaggcg acagcgattt ctaggatagt 120
cagtanaatt anaattgtga aaatgataaa gtgtanaggg aagggttaatg gttgatattg 180
ctaggggggc gcttccaatt aggtgcatga atagggtggcc tgcantaatg tt 232

```

```

<210> 364
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 364
ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
gtactaccag tcaggtagga ggagtctaag agaataacg cttatggagc tgcttgtgat 120
gcacatggaa gaaccttggt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
ctaccctacc tgtaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
ggcaaccaa tacaattctg aagttgttga taagaagata gaagagtttc tttctagctt 300
tgaggagaag attgagaacc tcaactgaaga ggcattcaac acccagggtca cagctctcat 360
caagctgaag gagtgtgagg ataccacact 390

```

```

<210> 365
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 365
ctgctgcaga tgctgacagg ccctgggagg ctgctgtgct ctggagaagc tggagcagct 60
catttcttgg cctagcctgg ctgcctcaga aagagcagtc aggacttgag ggaagcatca 120

```

```

aattctatac ccataaaactg cagttggaag tcagcttttt gaaatgtcca gcctttgccc 180
aattgtttca gatcatctca ttcttcaggc tttggcaggt atcctgccct ccattcttatt 240
ccagtgtgtt cacctcatca aggcagcaga gtggatgaag gagtaagtct gccctttgccc 300
atactgaaca g                                     311

```

```

<210> 366
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 522, 543, 582, 590, 597
<223> n = A,T,C or G

```

```

<400> 366
aaaagatatt taagtttaat acaaatttta tacaaagaaa atgtgaaaaa atacttccat 60
atgctaaaag caattatgct tcacaaataa ggccagctag gctatTTTTT ttttttgaca 120
actgcaattc acaaatgttc tttctctcct gttttcttct aatactctct tatttcttct 180
ctaatatggg taactagctg gaaactgtac agttcgcatc ctcttaacaa tgaagagaaa 240
gtaaacaaga ctaaaatgta caacaaaacg tactggaatg atatcgtaaca attaatTTTt 300
tcatatacat acatcacctt ttgctttttc atcaatgctt tttgtttttac acaacataca 360
aaatggctct acagcatagc tagtgtacgg acagcatgac gggccttgct ttctctcata 420
ctgcctgtgt ttcattgctta cataaaaaacg tgaaattcca tcatataaat aatacgtaca 480
tgcttcatcc cagactcaaa cgtcctctgc gtgcaccttg cntttgagtc cttgcttcca 540
agnagcacag catctctgac caagtgtgtg tgagtgtgtt tntgtgctgn gagctgngtt 600
catgtatgtg c                                     611

```

```

<210> 367
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 367
aaaatcagtt acggcaattc acttaaggag cttgagggcc gtgttaaaaag gagccagggtt 60
ttcacaagac ctcatccacc tctgcacatt ggctggcact gccacactgc agcctccgat 120
ctgctggagt acagaccaca gcaccacgtc tgctacggtg agttcattcc cagcgagcca 180
agggtcttcc ccaagagcag agttcatgga gcggaaaaca ggggcttttt ctttactgct 240
tccctctttt aactgaaaaa tcgcaatata taccagcta tctataaggg ttgcgttgac 300
agcattatgc ttctgg                                     316

```

```

<210> 368
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 368
atcagcctct cttactgtac tctccgggaa tgtaaacctt tctatTTTtca gcctgtgcca 60
cctgtctaga caagctggct tccccattgg cccctgtggg tccacagcag cgtggctgcc 120
ccccagggcc accgcttctt tcttgatcct ctttccttaa cagtgaactg ggcttgagtc 180
tggcaaggaa ccttgctttt agcttcacca ccaaggagag aggttgacat gacctccccg 240
ccccctcacc aaggctggga acagagggga tgtggtgaga gccaggttcc tctggccctc 300
tcca                                     304

```


<210> 369
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 369
 ccaggtgatac atttttctac aacggcattt ctcaacctcg gctgcatata aaattacctg 60
 ggagctttct aaaaattctg aaatttggtc ctaattctca gcagattctg acgtgattaa 120
 tttgggggtga gtgccaggta ctgttttttt gggttttttt taatctccct aggtgatttt 180
 aatgtgaaac caagattgaa gcctcagctc gaagaaaaat agattcatag aaaactctgg 240
 cccctccccg ggggcctgcc ctgctcgctc caacatcttg tgcttttttg caagagaggg 300
 ctgaggagcc tgctggtcgc tctctgctg gggccgggcc ctgtctcttt ggtatcagat 360
 tctgagcagg ggagggagct ggaaggagat gcagcagagg aagccaaatg ccctcaacaa 420
 cac 423

<210> 370
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 370
 atttaactgt ggggttggtg ctgtccttgt ggtatcaaag gagcagacag agcagattct 60
 gagggatata cagcagcaca aggaagaagc ctgggtgatt ggcagtgtgg ttgtacgagc 120
 tgaagggtcc ccacgtgtga aagtcaagaa tctgattgaa agcatacaaa taaatgggtc 180
 agtggtgaag aatggctccc tgacaaatca tttctctttt gaaaaaaaaa ggccagagtg 240
 gctgtcttaa tatctggaac aggatcgaac ctgcaagcac ttatagacag tactcgggaa 300
 ccaaatagct ctgcacaaat tgatattgtt atctccaaca aagccgcagt agctgggtta 360
 gataaagcgg aaagagctgg tattcccact agagtaatta atcataaact gtataaaaaat 420
 cgtgtagaat tttgacagtg caattgacct agtccttgaa gagttctcca tagacatagt 480
 ctgtcttgca ggattcatga gaattc 506

<210> 371
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 371
 cetttcaccc ctccgggtgtg ctatggatgg cttctaacaa aaactacaca tatgtattcc 60
 tgatcgccaa cctttccccc accagctaag gacatttccc aggtttaata gggcctgggtc 120
 cctgggagga aatttgaatg ggtccatttt gcccttccat agcctaatac ctgggcattg 180
 ctttccactg aggttggtgg ttgggtgtga ctagttacac atcttcaaca gacccctct 240
 agaaattttt cagatgcttc tgggagacac ccaaagggtg aagccattta tctgtagtaa 300
 actatttatc tgtgtttttg aaatattaaa ccctggatca gtcctttgat cagtataatt 360
 tttt 364

<210> 372
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 372
 ctgggtcccc ccagcaggct ccaccgctga gggcctgac attagctgtc agccccctggc 60
 ctgctcagac tgcaaacggt catacaaagt ggtctagggg ccagcaaaaa taataaacca 120
 ccccataaa cagacacata cacaagtag atttgttacg cagtttacia gcatgttccc 180

atcacacagc aagaccagga caggtgattc agggtagcag ataagggaag acacccaaaac 240
acaggaattg aaaaggcaag acccccgtcc ac 272

<210> 373
<211> 462
<212> DNA
<213> Homo sapiens

<400> 373
aaatgtttta ggcaaccta gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttg atacttgcct aacatgcatg 180
tgctgtaaaa atagttaaca gggaaataac ttgagatgat ggctagcttt gtttaatgtc 240
ttatgaaatt ttcattgaaca atccaagcat aattgttaag aacacgtgta ttaaattcat 300
gtaagtggaa taaaagtttt atgaatggac ttttcaacta ctttctctac agcttttcat 360
gtaaatagat cttggttctg aaacttctct aaaggaaatt gtacattttt tgaaatttat 420
tccttattcc ctcttggcag ctaatgggct cttaccaagt tt 462

<210> 374
<211> 506
<212> DNA
<213> Homo sapiens

<400> 374
ttgttttgtt acatagtgtg caacaaatta caatattctg cagccacaaa ttatatgcag 60
agtatgaaga aactattaat cagatagtgt aatctttcca tttataactc tacaaggaag 120
aactagcaaa tcagatctta catataacat ctactaaac tttatgcatg gaaagtgaca 180
gacactgctt gtgctgtttg atacaaaatg gctgaaactc atcttcagaa gactaaacct 240
gacatctaaa catgccata taaacatcaa aacaaaatat attctaacca accacgggaa 300
acagtctggg atcaggaaaag caacaaggat tacacacatt attttataaa ccagcacaca 360
aaggttttaa acagttctga aaatgaagtt agctgtcttg agtcaaggga ataaaaaaaa 420
agtcagtatt gaccatttac aatctctgac ctttgtggag acggtaagaa tctgtttgtg 480
tgcagctaca tacagtacaa ttcagg 506

<210> 375
<211> 425
<212> DNA
<213> Homo sapiens

<400> 375
cctggcgga aagaaggctct agaacctgct tatagagcca caacaggggtg cagacaactg 60
tgatgtcagc caatgtcact cgttcgcca ccagaaaagt cctcgtcttc aagtaagcat 120
ccagcagccc tagaattcgc ctcaactcct cctttgcatt ctcaagtggc tgtttgttgt 180
gggtgcatgat gcccaagggt gggaacaccc aggtactggc tgggggcact atatcggaat 240
cagcaaagct caccactgac accacctggg ctgctgcctc tggagtactt cccgcagct 300
cctcattgct cacatagtag gcaatggcgt tgctctcaaa cacacagaat ccatcatcac 360
cctcaaatgc tgggaccttg ccggcaggaa atttgcggag aaattcaggg gtgcggttgg 420
tttgg 425

<210> 376
<211> 417
<212> DNA
<213> Homo sapiens


```

actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctattttag tagatgtacag 240
aacatgatca aggtgtgtac actgggcttc cgttacaaga tgagggtctgt gtatgtcac 300
ttccccatca acgttggtat ccaggagaat ggggtctctt ttgaaatccg aaatttcttg 360
ggtgaaaaat acatccgcag gggtcggatg agaccaggng ttgcttggtc agtatctcaa 420
gccagaaaag atgaattaat ccttgaagga aatgacattg agcttggttc aaattcagcg 480
gctttgattc agcaagccac aacagttaaa aacaaggata tcaggnaatt tttggatggt 540
atctatgtct ct 552

```

```

<210> 380
<211> 139
<212> DNA
<213> Homo sapiens

```

```

<400> 380
aaataactat tctctctcca ttccatcgac tcccagcacc agccaggagg accctcagtt 60
cagtgttctt cccactgcca acacacccac gcccgtttgc aagcgggtcca tgcgctggtc 120
caacctgttt acatctgag 139

```

```

<210> 381
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 381
ccaggcatgg tggcacatgc ctgtgggtccc agctactcag gaggcggagg cgggagaacc 60
ccttgagcca gggagttgga gggtgcagtg agccgagatc gtgccacagc actctagcct 120
ggcaacagag cgagactccg tctccaaaaa aaaaaaaaaa agaagatagt ttacacaaca 180
ccacag 186

```

```

<210> 382
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 382
tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcggcgg cttcgaagcc aaagtgatgt ttggatgtaa 120
agtgaaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataattgacgt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctggaagtac tctgaggctt gtaggagggt aaaatagaga ccagtaaaa 300
ttgtaataag cagtgcctga attatttggt ttcggttggt ttctattaga ctatggtgag 360
ctcaggtgat tgatactcct gatgcgagta atacggatgt gtt 403

```

```

<210> 383
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 383
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg ctccatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtggtgt cgtggagggt gtttcgggtg 120
gaatgacaac ttcggtcgtg gaggaaactt cagtggctgt ggtggctttg gtggcagccg 180

```



```

<400> 387
gaacctgcta aggetgcctc agacctgact gcctgggttca gcctcttcgc tgacctcgac 60
ccactctcaa atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatgca 120
tgaatctgta cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct 180
agcagaagta taaagtgatc agtatgctgt ttttaataatt atgtgccatt ttaataaaaat 240
gaaaggggtca acggccctgt ttatatattgt ataattattt actcttattt ggtataaaagg 300
gttttcgtgt atctctatgt ggatctaaat aatacaggat tgtctagaag cggtttccag 360
gccaccgctc tcttgccctac atcccatcat ggctgctgcg gtgtcactgg gctaccgtga 420
gatccaagtt gaaatcagaa gcctactttg atggtaggtt tgaatgacgt gtcctacagc 480
ctcagaggca gcaggaggct agcaaagctt aaatgcc 517

```

```

<210> 388
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 468
<223> n = A,T,C or G

```

```

<400> 388
ctgtttatga tcagcaagac tggggaggcc gagaccatca ccaccaacta cctgtttcttc 60
ctgggcctct atcgtgcttt gtatcttgtc aactggatct ggcgcttcta ctttgagggc 120
ttctttgacc tcattgctgt ggtggccggc gtagtccaga ccatcctata ctgtgacttc 180
ttctacttgt acattacaaa agtactcaag ggaaagaagc tcagtttgcc agcataagtg 240
ccaaagacca tcaccagcat ctgtccttca ggggtgctcg acagaattct taccacagca 300
aaggcataag atgcttgata cggaaaatca gaaacttaac tcttttggtg cagatagtca 360
tcagtggctc tgtaaaaacg cagaggaaaa gagccagaag gtttctggtt aatgcactct 420
gccttatctt tttttattac tgtgtacaaa gattttttta cacaaagnaa cttaatgctg 480
tattaataaa ttcagtgtgt agcttcaatt gggatagtct caaaagtga gattttgtga 540
ggaa 544

```

```

<210> 389
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 389
ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattgggtgg attggtactg 60
ttcctgttgg ccgagtggag actggtgttc tcaaacccgg tatggtggtc acctttgctc 120
cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
gtggcaacgt tgctggtgac agcaaaaatg accaccaat ggaagcagtg ttgcttggtc 300
agtatctcaa gccagaaaag atgaattaat ctttgaagga aatgacattg agcttggttc 360
aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata tcaggaaatt 420
tttggtatgg atctatgtct ctgaaaaagg aactgttcag caggctgatg aataagatct 480
aagagttacc tggctacaga aagaagatgc cagatgacac ttaagacctt cttgtgatat 540
tt 542

```

```

<210> 390
<211> 276
<212> DNA
<213> Homo sapiens

```

<400> 390
 ctgatgccag aaggaaagcc gaaatgctac aaaatgaagc aaaaactctt ttagctcaag 60
 caaatagcaa gctgcaactg ctcaaagatt tagaaagaaa atatgaagac aatcaaagat 120
 acttagaaga taaagctcaa gaattagcaa gactggaagg agaagtcctg tctctcctaa 180
 aggatataag ccagaaagtt gctgtgtata gcacatgctt gtaacagagg agaataaaaa 240
 atggctgagg tgaccaaggt aaaacaacta cttttt 276

<210> 391
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 391
 ctgctggtgg atcagatata cgagaacgcc atgattgctg ctggacttgt tgacgacctt 60
 agggccatgg tgggcccgtt gaatgagctg cttgtcaagg ccttgagcgg aactgacag 120
 ccagggggcc agaaggactg acaccacaga tgacagcccc acctccttga gctttattta 180
 cctaaattt 189

<210> 392
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 392
 cggaacaag gcagatggag tcttgggtgg aacagatgga aggtactctt cgatggcggc 60
 cagtttcagg tccagtgagc atgagaatgc ctatgagaat gtgcccagagg aggaaggcaa 120
 ggtccgcagc accccgatgt aaccttctct gtggtccaa ccccaagact ccaggcaca 180
 tgggatggat gtccagtgt accacccaag cccctcctt ctttgtgtgg aatctgcaat 240
 agtgggctga ctccctccag ccccatgccg gccctaccog ccttgaagt atagccagcc 300
 aaggttgagg ctccagaccgt gtctagggtt gggctcggct gtggccctgg ggtctcctgc 360
 tcagctcaga agagccttct ggagaggaca gtcag 395

<210> 393
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 393
 ctgccaaagga gacctgtta tgctgtgggg actggctggg gcattggcagg cggctctggc 60
 ttcccacctt tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccagcaca cctgtctga gcaacacgtg 230

<210> 394
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 394
 ctgtggtttt gccagtcaca ctgatgagtc caaaaaacct aaaggctcaa ccagacctcc 60
 agctcccagt gaaggttccc agtagctcag tgtggcgaag gcaggtttct gtcttccaac 120
 ctgccatggt tcccatgttt ccccaaaagt ttgcgtctta gaaacttaat cccagtgcg 180
 gcagtgttgg gacatgggta ggtcgggagg gctctgccac tgccattaca atgaggtaat 240

```

atccttgtca cctgagagtg gtttttgtga aggccgggtgt ggggctctc ttgctggctt 300
gctctctggc tctctcgccc ttcccccttc tgccttccac catgggatgt cctagcagga 360
aggccctaag cagatacagg ctgttgctgt tggactttgc agcctccaga actgtaagaa 420
atacatttct tttctttata aattacctac tctgtggtat tctgttacag gaacacaaaa 480
cagaccaaga caccaaccct gacctgctct gtccttccct tc 522

```

```

<210> 395
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 395
ccgcctccgc cgcgcgccctc ctccgcgcgc gcggactccg gcagctttat cgccagagtc 60
cctgaactct cgctttcttt ttaatcccc gcctcggatc accggcggtgc cccaccatgt 120
cagacgcagc cgtagacacc agctccgaaa tcaccaccaa ggacttaaag gagaagaagg 180
aagttgtgga agaggcagaa aatggaagag acgcccctgc taacgggaat gctaattgagg 240
aaaatgggga gcaggaggct gacaatgagg tagacgaaga agaggaagaa ggtggggagg 300
aagaggagga ggaagaagaa ggtgatggtg aggaagagga tggagatgaa gatgaggaag 360
ctgagtcagc tacgggcaag cgggcag 387

```

```

<210> 396
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 396
cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60
gcgttgtcaa tatgtaccac atgaaggaa atggttggtt gaaagtagaa agtacagatg 120
tcagtgacct gctgcaccag taccgggaag ccaatcaata atggtggttg tggcag 176

```

```

<210> 397
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 397
ctgtggcctg gccgctccca atgctggggg cttggcttgg tgccccatcc ccttcctgac 60
tgagctctat gaaggactct taaaaaaata aaataaaatg caagcaaagt gctttgaaag 120
gagggaggac accctattcc tgctaagggg tagaggaaga aggtgaaggc ggctaggtgc 180
ccataagagg aggctggcac aatcttcatt cccgccagtg tgatttcagt ctcaaaagat 240
gagtatttgg ctgagaaatg gaaggatact ccaggctccc tacggagttg tgctggggcc 300
atgctgagct gcccttgag gcagccctgg gtgctggggg cagacatgca ggacactggg 360
aagagtcaga accacaggtg ggagggaatc tcagagccca ggctccccac tgagcttgg 419

```

```

<210> 398
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 466
<223> n = A,T,C or G

```



```
<210> 399
<211> 298
<212> DNA
<213> Homo sapiens
```

```
<210> 400
<211> 309
<212> DNA
<213> Homo sapiens
```

```
<210> 401
<211> 485
<212> DNA
<213> Homo sapiens
```

<210>	402
<211>	260
<212>	DNA

<213> Homo sapiens

<400> 402

```
ccgggcaggt aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac 60
tattaggagg gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta 120
aaatagaata aagaatgagt cagatgagtg tagccatttt aaccaagcag cacatttggt 180
aatttctaca acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg 240
tcagaaactg cacagactcc 260
```

<210> 403

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 11, 18, 30, 31, 46, 47, 61, 62

<223> n = A,T,C or G

<400> 403

```
ctggganatg ncgagctnct ctggcatctn natggacaca ttcagnntct tgggcaccca 60
nnctaagccg aatgtg 76
```

<210> 404

<211> 439

<212> DNA

<213> Homo sapiens

<400> 404

```
aaaattataa gatttacagt gccttgatta tgcaaaatag cataatggaa attaaaccaa 60
atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120
ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaatggt 180
tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaattc 240
ctattatacc tagtgtttat actgcaacag cagcaaattct cacatgtgta atcaaattgtg 300
gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
gtacattaca ttaaccagag cgtagagttt agtacctta ttgcagggtt ggtatttctt 420
tccctctgat ctgaatcag 439
```

<210> 405

<211> 365

<212> DNA

<213> Homo sapiens

<400> 405

```
aaaaaaaaatt aattgctcca agttttcagg ccagggggag gctctcccat tctcctcctt 60
caatagtccc gtccaggaag ggtgatcttg tggataaatt catcatactt cacttttgcca 120
ttgggttcga tatctgcttc cctgaagaga tcatccactt ccttgtgggt gagcttctcc 180
cccagactcg tgagtittga ccgcaggctg gacgccatga cgtaaccttt cttctccttg 240
tccaccatca acatggctag aagaatttct ttctttgggt cttcttggtt tatttgcatg 300
tgcataatgg tcagaaaagt ggagaaatcc agctctccat ttccgtctat cccgtgggtc 360
tgcag 365
```

<210> 406

<211> 274

<212> DNA
<213> Homo sapiens

<400> 406
ctggaagcct tgttggtccc taagcctttg tttcatgcta cagtactgag gggatatgtgt 60
ccccaatgca cagccacccg cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtcc ctcagctcct 180
gctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
ctcaggttga agttcaacac tcctcaatga gcag 274

<210> 407
<211> 440
<212> DNA
<213> Homo sapiens

<400> 407
aaaaagactt gtgcacttgc ccaggctcaa ggatattaaa atctagcaca taaagcccat 60
tactagaggt agaaatacag gcaatatact attacggcaa caaccatcaa ttacagttaa 120
gaatttttct gtaacaacca aatggataat caaatattgc aacaactcaa gtattactga 180
gcaaagtgca tttctacagt attcagtgct gctattcagt tttctaactt aaaacagcct 240
atgataactg gcagcaaaga aggtccttgc aatagactgc ctctgcttga gaacttatga 300
tgtaattatt gcatgctgct aatatactat ctaaacatta aagatactcc taaaatattt 360
gatggtagac tatgattaag acattacact acaaaaaaac cttatgcaga aggaaatcct 420
aactgacgtg cttctgcttt 440

<210> 408
<211> 266
<212> DNA
<213> Homo sapiens

<400> 408
ctgcagcttt tcaccacatt ttcaattact gaattgcatg ttttttttcc accttgataa 60
cttaggttca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120
cccatttgta attgaagaaa ctcacagaca cagtatgaac tatattatac aaaatcatga 180
ccatgagttt cagtgaagaa ttctgtctct ctcttaaagc aagaaatata ccacagctca 240
gatttacata agtagtgccg cttttt 266

<210> 409
<211> 516
<212> DNA
<213> Homo sapiens

<400> 409
ccagctttat taccagattg tcatccagct toccatgata aacaatgtta tgtactttca 60
gatcaacaac aaaacgggag ccatctctct taccogagag ggatctcagg aattgaatcc 120
tgctaagaat ccttcctata atctggtgat ctcagtgaag gacatgggag gccagagtga 180
gaattccttc agtgatacca catctgtgga tatcatagtg acagagaata tttggaaagc 240
acaaaaacct gtggagatgg tggaaaaactc aactgatcct caccocatca aaatcactca 300
ggtgcggtgg aatgatcccg gtgcacaata ttcttagttt gacaaagaga agctgccaaag 360
attcccattt tcaattgacc aggaaggaga tatttacgtg actcagccct tggaccgaga 420
agaaaaggat gcagtgaagta aaagagaaga gtttcacagg cgacaagaca aagtcctatg 480
cccatctaca gttgagagca aaatggattt tacttt 516

<210> 410

<211> 379
 <212> DNA
 <213> Homo sapiens

<400> 410
 cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt ggggggtggca 60
 cccagcgaag taaaccccaa caccgagtg atgaatagcc gaggcacctg gctggcctac 120
 atcatcttgg taggattgct gcatatgggt ctactcagca tcccccttctt cagcattcct 180
 gttgtctgga ccttgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctgggtact gacacactgg 300
 gagcaaatgg actatgggct ccagtttacc tcttcccgca agttcctcag catctctcct 360
 attgtgctct atctcctgg 379

<210> 411
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 534, 541
 <223> n = A,T,C or G

<400> 411
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
 ttagagtctt ttgtgccata atgcagcagt atggaggagg gattttatgg agaaatgggg 120
 atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcactgtgg gttttgaaaa 180
 gggtattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240
 cttgaccttc tttgaaaagc attcccaaaa tgctctatct tagatagttt aacattaacc 300
 aacataatct tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtgggt 360
 catctctttc acctgcattt tatttgggtt ttgtctgaag aaaggaaaga ggaaagcaaa 420
 tacgaattgt actatttgta ccaaatcttt gggattcatt ggcaaataat ttcagtgtgg 480
 tgtattatta aatagaaaaa aaaaattttg tttcctaggt tgaagggtcta attnatacgt 540
 ntgacttatg atgaccattt atgcactttc aaatga 576

<210> 412
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 332
 <223> n = A,T,C or G

<400> 412
 ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgctt acgggtgagc 60
 actgaagtat acattgtgcc aatgtaatta ttgtcttgga gaccttctag aacttgctaa 120
 atcatatagc aagaagagaa tgagttcagg cccagtaaat ctggtgagtt aatttacatc 180
 tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtaataa 240
 ataaataaat aaactttgga caatgccttt acttgtgccc tatatacaga actattccat 300
 agaattttcc aggatttcaa gatactacac anagaaaaaa actgtaaagc aatttgggtc 360
 tttccaaatt tcagcag 377

<210> 413
 <211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 557
 <223> n = A,T,C or G

<400> 413
 aaaataatta cccatctttc agtcaatata cagccaactc ttgattatct atgagaaaacg 60
 taagtgcacat ttactctcaa acttcactct aacagaatca tccacctttg atacacttgt 120
 ttgtttttaca tcccatgtac actacagcct atcaagaaga agttataaca caaatgttgt 180
 ttcctctgac ccatgctaga aacgtgtaag gaaatggagt gagcacattc tgctagggct 240
 ttgcggatga ccctacagtg gacagtgggg gcaggataga actctggaca tgagaaaaga 300
 caaatttcat gttcctccag aatcaggtct tacatgcctt cgttattttg ttatcacaaa 360
 attaaaaacc tgaggcttag tcactatttt atatagataa tggagagttg actgtaatca 420
 tgttatgact ttagctcttt aacatgaaaa aattcacaaag aaagcatatg ataaaaagat 480
 taaaaagact gccatgacat ctagaagcat ttattttatg caaaaaactt aaatatgatt 540
 atgtgtacac ataaagngca cacattacct atgctgaaca atgc 584

<210> 414
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 414
 ctggatggct cttatgttat catctgtttc catcggtggc tggagttttc cattcacact 60
 gaatgtacag aagaggccgt tttcatagaa tatgacacaa tgaccctctc ttgaagcctg 120
 aatgagtttt ggtttcaggc agttttcagg accctccaag gtcctcaaca agtctccatt 180
 catggaatgt atgagacatg gtccttcttg tgaaccactc aacaccagg 229

<210> 415
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547, 549, 551
 <223> n = A,T,C or G

<400> 415
 ctgagagcgg aaaatgggtct tctcatgact ctttgttaca ctgcaaattt tgttgaccca 60
 gaggtttttaa aaagacaagg ctatgatgct gcttgtgata tatggagtct tgggtgtccta 120
 ctctatacaa tgcttacagg ttacactcca tttgcaaattg gtcctgatga tacaccagag 180
 gaaatatttg cacgaatagg tagcggaaaa ttctcactca gtgggtgggta ctggaattct 240
 gtttcagaca cagcaaagga cctgggtgtca aagatgcttc atgtagacct tcatcagaga 300
 ctgactactg ctcttgtgct cagacatcct tggatcgtec actgggacca actgccacaa 360
 taccaactaa acagacagga tgcaccacat ctagtaaagg gtgccatggc agctacatat 420
 tctgctttga accgtaatca gtcaccagtt ttggaaccag taggcogctc tactcttgct 480
 cagcggaaag gtattaaaaa aatcacctca acagccctgt gaagtgcact cagtgcagata 540
 tttggtnent ngtgtaagct gatagcacia gttctggcga caggtagcac gtatctg 597

<400> 419

```

ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataatatcca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgg 419

```

<210> 420

<211> 118

<212> DNA

<213> Homo sapiens

<400> 420

```

aaaggaacat acttgccctg agatagcctt tgcgatattt aaatgtccgt ggatacagaa 60
atctctgcag gcaagttgct ccagagcata ttgcaggaca agcctgtaac gaatagtt 118

```

<210> 421

<211> 275

<212> DNA

<213> Homo sapiens

<400> 421

```

ctgctcgatg ggcttaaacc gccactcgtc agcctccagc tcttctacca aaccagctag 60
tttttccatc cgagcaactt gctgatcatg tttcacctgt ttaagcgtgg atgccacttg 120
atagctaaaa acagattcgc agaggaatct ctccagagcca tcttctacca tctctccagc 180
tcctttgggg taggtgaaaa gggctttccg tgggtggggca aggtctgaga cactgaaacc 240
agatccagtg acagaacttc cactgacccc accag 275

```

<210> 422

<211> 494

<212> DNA

<213> Homo sapiens

<400> 422

```

ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccattggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggg 360
agtttaggac ctgtgggttt gttaggtaact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccgcc tottcacggg cagggtcaatt tcactgggta 480
aaagtaagag acag 494

```

<210> 423

<211> 340

<212> DNA

<213> Homo sapiens

<400> 423

```

caagaatttg gtgtggacgt tggccctggt tgccttttat aaaccaaact ctatctgaaa 60
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaaccagt 120
gcaagtgacc gacaaaattc cagttattta tttccaaaat gtttggaac agtataattt 180

```

```

gacaaagaaa aatgataactt ctcttttttt gctgttccac caaatacaat tcaaagtctt 240
tttgttttat tttttttacca attccaattt caaaatgtct caatggtgct ataataaata 300
aacttcaaca ctcttttatga taacaaaaaa aaaaaaaaaa 340

```

```

<210> 424
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<400> 424
caaatctctt ttttttaggtt ttgtccatag catcagttga tccttactaa gtttttcatg 60
ggagacttcc ttcattcacat cttatgttga aatcactttc tgtagtcaaa gtataccaaa 120
accaattttat ctgaactaaa ttctaaagta tgggtatata aaccatatac atctgggttac 180
caaacataaa tgctgaacat tccatattat tatagttaat gtcttaatcc agcttgcaag 240
tgaatggaaa aaaaaataag cttcaaaacta ggtattctgg gaatgatgta atgctctgaa 300
tttagtatga tataaagaaa acttttttgt gctaaaaata ctttttaaaa tcaattttgt 360
tgattgtagt aatttctatt tgcactgtgc ctttcaactc cagaaacatt ctgaagatgt 420
acttggaattt aattaaaaag ttca 444

```

```

<210> 425
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 425
ccagcgcgcg aggaccgcgcg aacagccgcg tctctcggtc cgccctggaa aatctctttct 60
tctcaggag tcagcttggc tcccttcttg cggcccaggg gcagcgcata gtgggactcg 120
taccactgtc ggtacggtgt gctgtcgatg agcacgatgc aattcttcac caggggtcttg 180
gtacgaacca gctcgttatt agatgcattg tagacaacat cgatgatcct tgttttacga 240
gtacaacact ctgagcccca ggagaaattc ccacgtcca acctcagggc acggtatttc 300
ttgttacctc cccgcacacg gactgtgtgg atgcggcggg ggccaatctt ggtgttgga 360
g 361

```

```

<210> 426
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 426
gccaaacaat acccacttgt cagcctaaat gaagagagaa atgtcatgga agagggaaaa 60
gacttttcagc cctcaagatc tacagctcaa caggaacttg atgggaaacc tgcttctctt 120
actccgggta ttgtggcctc ccacacagcc aacaaagaag aaaagagttt actcgaacta 180
gaagtagatt tgataattt ggaattagaa gatattgaca caacagatat caatctggat 240
gaagatattt tggatgattg actgtaatgc tttccattta cctgactaaa cagatcatta 300
ttatatatag gtattgattg ctaccctgac cacagtgtt tggactatga gaaacttctt 360
agatttttat atgtaaattg tgtggaccac tgggagcaca atgccacat catcttaaga 420
agagtttatg tgcagcattt 440

```

```

<210> 427
<211> 608
<212> DNA
<213> Homo sapiens

```

```

<400> 427

```



```

ccacaaaaca ccaaagaatt gtaggcagtg gcccctattg agaagttttc cggtagagtt 60
ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
gtcgtaggta ttagtgctag tctcaaatag gtgcttcccc tgaggtgcag gggaagacca 180
aagtttgcaa ctggaactgc tttcgcccat gtttctcaca ttgctgtatt ttagaaaata 240
ggggttaaga ctgataacaa ccttttacat tgtgactgtg tttgcattgt ctaatgacag 300
ataaatcctt aacattttct tccaccttag tacttttagac taattgtgtt tgtccgtcca 360
tgccatgaat gagtgggctg tagttgggcc taaataaatg agctgttgga agaaaagaat 420
cacagtactt tccagcagtc agtccttggg tcttagatgt gttctaagca atgcaaattgt 480
ctaattgtcc cccagtgggc atagtcagtg tctgttatat tgtagcagtt acagctctgt 540
agtttatgat gcaaactctg caagagagat gtatgtgtca ctgcatggct tctgaaagca 600
ggatgaat                                     608

```

```

<210> 428
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 298
<223> n = A,T,C or G

```

```

<400> 428
gtttttctca ttttggattt ctccaaaact aactgaattt aagcttcagg tccctttgta 60
tgcagtagaa aggaattatt aaaaacacca ccaaagaaaa taaatatatc ctacttgaaa 120
tttactctat ggacttacct actgctagaa taaatgtatc aaatcttatt tgtaaattct 180
caattttgat atatatatgt atatatgcat atacatatcc acacttgtct gcaagaatat 240
tgattaaaat tgctaaattt gtacttgttc atcaaaaaaa aaaaaaaaaa aaaaaaanc 299

```

```

<210> 429
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 502, 551
<223> n = A,T,C or G

```

```

<400> 429
ctgcaccatg ccatctatag agataggaac ggtgggtggt gggaccaacc tactacctca 60
gcaagcctgt ttgcagatgc taggtgttca aggagcatgc aaagataatc ctggggaaaa 120
tgcccggcag cttgcccgaat ttgtgtgtgg gaccgtaatg gctggggaat tgtcacttat 180
ggcagcattg gcagcaggac atcttgtcaa aagtcacatg attcacaaca ggtcgaagat 240
caatttaca gacctccaag gagcttgcac caagaagaca gcctgaatag cccgacagtt 300
ctgaactgga acatgggcat tgggttctaa aggactaaca taaaatctgt gaattaaaaa 360
agctcaatgc attgtcttgt ggaggatgaa tagatgtgat cactgagaca gccacttggg 420
ttttggctct ttcagagagg tctcaggttc tttccatgca gactcctcag atctgaacac 480
agtttagtgc tttacatgct gngttctttg aagagatttc aacaagaata ttgtatgtta 540
aagcatcaga natggtaatc tacagctcac ctct                                     574

```

```

<210> 430
<211> 181
<212> DNA

```

<213> Homo sapiens

<400> 430

```
aaactagagg aaagctacga catggagagt gtcctacgca acctgggcat gactgatgcc 60
ttcgagctgg gcaaggcaga cttctctgga atgtcccaga cagacctgtc tctgtccaag 120
gtcgtgcaca agtcttttgt ggaggtcaat gaggaaggca cggaggctgc agccgccaca 180
g 181
```

<210> 431

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

<400> 431

```
ctgtcctggg tgccctcggt gcagctccga gctccagtta caaggaattc caagttctca 60
ggatcttgaa gactctggag gccagtaatc cctggatcac actgcttcta ccagctcaga 120
agagaagtec tgccaaaggt catgaaataa acctgactgc tgccaccaga ccgaacagag 180
gcaaagaaca ccttgatcatt gcgttcacac aagaatttta gtctttgagc ccttttgtgc 240
atgaacacac catccaagtg accagtttcc acagatcgga tctctatggc cttctctccc 300
cagcccattg tctgattgga tcgaatatat gctactgatg taggcatctc tccccactgt 360
agaactacat ccttggtgat ccttccatat gtgtttacat aaacccctc atcttcatag 420
cacaccagaa gctccattcc atctgtattg gggaggatga tgattgcatg gggtttgatg 480
ctacactgga tatgtgttgg tagataaatg tcatagactg atcctgnatc cacatcaaca 540
gcatggaatc cagcacagga tccatagatc actttcaacc tctggccttc c 591
```

<210> 432

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 537

<223> n = A,T,C or G

<400> 432

```
cctttctgag gcagcagcaa gcagctccaa acctccgaaa gcttatttat gggacagtga 60
cagaagataa tgaagaagaa gatgatgata ctctagaaga gcttggaggg ttgtttcgtg 120
tcaaccagcc tgacagagag tgtaagcaca aggctgactc tttggactgc tccagatttc 180
ttgtggaggc ccccatgac tgggatttag aggaggttat gaacagtatc agagattgct 240
tcgtgactgg aaagtgggaa gatgataaag atgcagccaa ggtcttagca gaagatgagg 300
agctctacgg tgactttgaa gacttggaaa caggggacgt gcacaaggga aaatcaggcc 360
ccaatactca gaatgaagat atagagaaaag aagttaagga agaaattgac cctgacgaag 420
aagaaagtgc caagaaaaag cattttgata agaagagaaa attgaaggag atgtttgatg 480
cagaatatga tgaaggagaa agcacatatt ttgatgatct taaaggagaa atgcagnaac 540
aagcacag 548
```

<210> 433

<211> 492

<212> DNA
<213> Homo sapiens

<400> 433
caatgccagt aaacttaaat tacgtaactt cttgcaacca cgaaacctgt aatacgctgt 60
acagtaacaa gtgttggcat tatcagttga actgtaaata caaaatgctt cttccaatta 120
gtctctatga tgattaagtt tctaaaattt atctgaacac cattcagaaa cttgttttgg 180
ggaatttgat agttattgat gtgcatctgt taaactgatg acagacataa ctcatcattc 240
cccagaaacc ttttttgatt acagtatcta acattttgoc tcctcttttt tggttttgct 300
ggttataaag gtttggattg gagagggctc actggatccc aatccttgga gctggatcat 360
tggtattcaa tcataatgtg gataggatag ggaggatgaa ttaccaggat tcatggagcg 420
ggatcagatt accaggaaca taggagtggg ttcttgcccc aaccaaaccg cattcgtgtg 480
gattttttta tt 492

<210> 434
<211> 493
<212> DNA
<213> Homo sapiens

<400> 434
ccatctgatc tataaatgcg gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gctccttcaa gtatgcctgg gtcttggata aactgaaagc 120
tgagcgtgaa cgtggtatca ccattgatat ctcttctgtg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggacac agagacttta tcaaaaacat gattacaggg 240
acatctcagg ctgactgtgc tgtcctgatt gttgctgctg gtgttgggtga atttgaagct 300
ggtatctcca agaattgggca gacccgagag catgcccttc tggcttacac actgggtgtg 360
aaacaactaa ttgtcgggtg taacaaaatg gattccactg agccacccta cagccagaag 420
agatatgagg aaattgttaa ggaagtcagc acttacatta agaaaattgg ctacaacccc 480
gacacagtag cat 493

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435
ctgcagcctg ggactgaccg ggaggctctg attattttacc caccacaggt aggttgtgtt 60
ctgaatctca gggttcacagg ttaaggctac agcatcctca tcctccacgg ggttggagtt 120
gttgctgggtg atgaagggtt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
cctattgagg ccagtgtctg agttatgggc ttggcaogta taggatccac tattattcac 240
agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
agagtactgt gcaggtgggt tagaggctgc gtggcaggag aggttcagat tttccctga 360
tctgtaagat gtgttttagag gggaaatggt gggggcatcc gggccataga ggacattcag 420
gatgactgaa tcactgcgcc tggcactcac tgggttcttg gtttcacatt tgtagc 476

<210> 436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 436
aaaacttaag gggaaagttg gagattgagc ataaggggccc ttgagtaaga ctgtgtctta 60
tgcttttcctt tatccctctg tatacaggag acagaccaac tagaagatga gaagtctgct 120
ttgcagaccg agattgccaa cctgctgaag gagaaggaaa aactatagag ttcatccttg 180

cagctcaccg acctgcctgc aagatccctg atgacctggg cttcccagaa gagatgtctg 240
 tggcttccct tgatctgact gggggcctgc cagaggttgc cccccggag tctgaggagg 300

<210> 437
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 437
 ccaatgtggg tggctcttcag cttgcagtta gccaggttcc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agggttgctg ctgttgggcg agaagcggac acaagacacc 120
 cactctgagt ggctctcatc ctggacagtg tatttgacac caccacagggt attccatagc 180
 ttgatggttt tatctcgaga tccagagaca atctgccggg tgtcagagga gaaggccaca 240
 ctacgacat ccttggtatg gccacaaaat cgctcgtgg tggtgcccg tgtgagatcc 300
 cagaggcgca gggttccatc ccaggagcct gagagggcaa actgg 345

<210> 438
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 438
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtatct gaagtttctt aattccgtat cccactggaa ctagtctaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgcat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcactt cctcctcatc atcagatcca aagagggtcaa tgtcatcatc atctttacta 420
 tctgtagctc cacttctgt agtgtcttcc acatcggcag gaccatattt gcccaaagct 480
 ttcttcactc ctggcaggct tgaaaaacat tt 512

<210> 439
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 439
 ccacagccca tgcgaaggcc cgcattgagca agactgtgga cctgcaggat gcagaggaag 60
 ctgtggagtt ggtccagtat gcttacttta agaaggttct ggagaaggag aagaaacgta 120
 agaagcgaag tgaggatgaa tcagagacag aagatgaaga ggagaaaagc caagaggacc 180
 aggagcagaa gaggaagaga aggaagactc gccagccaga tgccaaagat ggggattcat 240
 acgacccta tgacttcagt gacacagagg aggaaatgcc tcaagtacac actccaaaga 300
 cggcagactc acaggagacc aaggaaatccc agaaagtggg gttgagtga tccaggttga 360
 aggcatcaca ggtggccctc ttgatgtgt tccgggaagc tcatgcgcag tcaatcgga 420
 tgaatgcct cacagaatcc atcaaccggg acagcgaaga gcccttctct tcagttgaga 480
 tcc 483

<210> 440
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 560
 <223> n = A,T,C or G

<400> 440
 ccgggcaggt ccagggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa 60
 aagcaggtgt gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg 120
 actttcaacg ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc 180
 ctctatttgc tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac 240
 gaaggggcaa aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa 300
 agttgaaagg agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag 360
 tggattctct cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag 420
 agatgaagaa tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga 480
 ctaatgtgaa gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac 540
 tggatgatga tgataattgn agatcggggg ggatgaccag 580

<210> 441
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 480
 <223> n = A,T,C or G

<400> 441
 gtaaatataa ttgtgtactg aagggaagaa tttgatcata ccaaacattt cctaaactct 60
 ctagttagat atctgacttg ggagtattaa aaattgggtc tatgacatat tgtccaaaag 120
 gaatgctgtt cttaaagcat tatttacagt aggaactggg gagtaaactt gttccctaca 180
 gtttgctgct gagctggaag ctgtggggga aggagttagc aggtgggccc agtgaacttt 240
 tccagtaaat gaagcaagca ctgaataaaa acctcctgaa ctgggaacaa aaatctacag 300
 gcaagcaaga tgccacacac acaggccttat tttctgtgaa ggaaccaact gatctcccc 360
 acccttggat tagagttcct gctctacctt acccacagat aacacatgtt gtttctactt 420
 gtaaatgtaa agtctttacc tgcccgggcg gccgccgggg caggttggag gtggaggggn 480
 agatggtcag taggacagaa ggtaacattg atgactcgct cattgggtg 528

<210> 442
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 442
 cgatggagga ggaggagggt gagacgttcg cctttcaggc agaaattgcc cagttgatgt 60
 cattgatcat caatactttc tactcgaaca aagagatctt tctgagagag ctcatittcaa 120
 attcatcaga tgcattggac aaaatccggg atgaaagctt gacagatccc agtaaattag 180
 actctgggaa agagctgcat attaacctta taccgaacaa acaagatcga actctcacta 240
 ttgtggatac tggaattgga atgaccaagg ctgacttgat caataacctt ggtactatcg 300
 ccaagtctgg gaccaaagcg ttcattggaag ctttgcaggc tgggtgcagat atctctatga 360
 ttgg 364

<210> 443
 <211> 589

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 541
<223> n = A,T,C or G

<400> 443
ctgcctttga agcacctcct cagtacgttt tgccaaccta tgaaatggcc gtgaaaatgc 60
ctgaaaaaga accaccacct ccttacttac ctgcctgaag aaattctgcc ttgacaata 120
aatcctatac cagctttttg tttgtttatg ttacagaatg ctgcaattca gggctcttca 180
aacttgtttg atataaaata tgttgtcttt tgtttaagca tttattttca aacactaagg 240
agctttttga catctgttaa acgtcttttt gtttttttgt taagtctttt acattttaat 300
agtttttgaa gacaatctag gttaagcaag agcaaagtgc cattgtttgc ctttaattgg 360
ggggtgggaa gggaaagagg gtacttgcca catagtgttc tttttaactg cactttcttt 420
atataatcgt ttgcattttg ttacttgcta ccctgagtac tttcaggaag actgacttaa 480
atattcgggg tgagtaagta gttgggtata agatctgaac ttttcatctg cagaggcaag 540
naaaaatatt tgacattgtg acttgactgt ggaagatgat ggttgcattg 589

<210> 444
<211> 510
<212> DNA
<213> Homo sapiens

<400> 444
cctcatctca gagctgggtg ccaggctgaa ggatcactga ggaaggggaa gtgggcaaag 60
cagaccctca aactgacaca agacctacag agaaaaccct ttgccaaatc tgctctcagc 120
aagtggacag tgataccgtt tacagcttaa cacctttgtg aatcccaagc cattttccta 180
accagcaga gactgttaat ggccccttac cctgggtgaa gcacttacc ttggaacaga 240
actctaaaaa gtatgcaaaa tcttccttgt acagggtggt gagccgcctg ccagtggagg 300
acagcaccac tcagcaccac ccacctcat tcagagcaca ccgtgagccc ccgtcggcc 360
ttctgtgggtg ttttaatat gcgatggttt atgggacgtt ttaagtgttg ttcttggtgt 420
tgttttcctt tgactttctg agtttttcac atgcattaac ttgcggtatt tttctgttaa 480
aatgttaacc gtccttcccc tagcaaat 510

<210> 445
<211> 326
<212> DNA
<213> Homo sapiens

<400> 445
gaagacatct ttgaagggtc tgagtttgtt agtttaacat catatatttg taatagtga 60
acctgtactc aaaatataag cagcttgaaa ctggcctttac caatcttgaa atttgaccac 120
aagtgtctta tatatgcaga tctaattgtt aatccagaac ttggactcca tcgttaaaat 180
tatttatgtg taacattcaa atgtgtgcat taaatatgct tccacagtaa aatctgaaaa 240
actgatttgt gattgaaagc tgccctttcta tttacttgag tcttgtagat acatactttt 300
ttatgagcta tgaaataaaa cat 326

<210> 446
<211> 494
<212> DNA
<213> Homo sapiens

<400> 446

```
ccaaatggtg aaaccctatc tctactaaaa atataaatat tagccttgtg tgggggcgca 60
cacgtgtagt ctcagccact agggaggctg aggcaggaga atcacttgaa cccaggaggc 120
ggaggttgca gcgagccaag atcgtgccat tgcacttcag cttgggtgac agagcaagac 180
tctgtctcaa aaaaaaaca aagtcttatg acctctttgg catgtacttt agagaggaaa 240
tcttacccaa gccagaaagt ctcagtctag gcattttttt tattgtgcaa gcatataaaa 300
ttctagtaat tctggggcta atcctgtgat agggagaatt caaggaaagg tgggtggtgac 360
ccagtgtctg cggtttctcc ttaggtgacg catccaaaga agacattgac actgctatga 420
aattaggagc cggttaccac atgggcccac ttgagcttct agattatgtc ggactggata 480
ctacgaagtt catc 494
```

<210> 447

<211> 322

<212> DNA

<213> Homo sapiens

<400> 447

```
ctgactaaga gccctctggc acaaattggaa gaagaaagaa gggagcatgt agctaaaatg 60
aagaagatgg agatggagat ggagcagggtg tttgagatga aggtcaaaga aaaagttcaa 120
aaactgaagg actctgaagc tgagctccag cggcgccatg agcaaattgaa aaagaatttg 180
gaagcacagc acaaagaatt ggaggaaaaa cgtcgtcagt tcgaggatga gaaagcaaac 240
tggggaagctc aacaacgtat tttagaacaa cagaactctt caagaacctt ggaaaagaac 300
aagaagaaag ggaagatctt tt 322
```

<210> 448

<211> 237

<212> DNA

<213> Homo sapiens

<400> 448

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ctgcattggt gtggaattca caactactca gactgggaaa atacagattg gttcaaagaa 60
acaaaaaac agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120
agcctggccc acccttccga cctctatgct gagggtgtg aggtcttagt tgtgaagaag 180
ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237
```

<210> 449

<211> 339

<212> DNA

<213> Homo sapiens

<400> 449

```
aggacgacaa gaagaagaag gacgctggaa agtcggccaa gaaagacaaa ggcccagtgg 60
acaaatccgg gggcaaggcc aaaaagaaga agtgggccaa aggcaaagtt cgggacaagc 120
tcaataactt agtcttgttt gacaaagcta cctatgataa actctgtaag gaagttccca 180
actataaact tataaccca gggcaacagg gaggaccaga tcaacaggct tattagaaga 240
atgaactaag gtgtctacca tgattatctt tctaagctgg ttgggtaata aacagtacct 300
gctctcaaat tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 339
```

<210> 450

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 501
 <223> n = A,T,C or G

<400> 450
 gtgagacaca ggtatgtatt tttgggtctc acagggttaag gtctgagcca ctgaggtcag 60
 gctctggttt gtatcccaag accgagaagc tgtgttaagc atggtgggta gagtttgtca 120
 ggtgacatct atgaaaccag gagcatgcaa agatagggtg accggaacag ccatgggtcaa 180
 accaattaaa ctgtcctgca gttgagggtc ggcacaggta gaacggatct atcagggtgag 240
 gcccaaggag tccggattag gctcatctag aaagacctgg atgtggtaga tgacctctga 300
 ggatatgaag tgaaggcagg tggatagagc caggctctctc aggaggtctg aggagctggg 360
 atctggcaca gtgagcagggt ctggattttcc cagggtggtgt caagacagat gggtaggcca 420
 ggcacagtgg ctcacacctc taatcccagc aattttggaa ggccaaggca ggcagatcag 480
 ttgaagtcaa gagctcgaga ncagcctgg 509

<210> 451
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 63, 166
 <223> n = A,T,C or G

<400> 451
 aaaaaaggaa ttctgtgtca agtataactc aaaataaata caaattcaca agtagaacta 60
 ttnaatactt catatgggggt aaacaccatt atctcccaac tagatcgcta gatctaccaa 120
 ctgcaagcga ttgtcccttt tgaacgtact aaaaccacac acttttccat cccctgggct 180
 cctggccctc tgagcactca attctcaatg gcacctggcc tgcatggca 229

<210> 452
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 452
 aaagaacaaa ctcaacatat cagcagcaaa tttcagttaa actaaattgg aaaccaatgt 60
 tctgtgtaac caaagtgcaa agtcagttcc ccagctcaga aagaaaatta agagtataaa 120
 ctgaaggctt aagagaactt cagagagcac actgtgtgat taatacataa atattaaaaa 180
 ttatccaatt tttgatttaa gaacaacaca gtttggatct agtcattaaa acatatgcac 240
 aggtgtcaaa ggcaagtaac actaccacct aaggttattc ggaggaactg tgaagatgta 300
 gcacggacct ctaagggtgc taaaatccct tctgatggaa aggttatgga acactatctg 360
 ccaaaaacac tgaaagcacc acttttatat ttagatccaa tgctgagtga tatagtcact 420
 gttgggatag gtttttattt gggaaaatgg agaggattct caaaacagat tcatggcttg 480
 catgcagtga caccctatca agagcctgga aagacaccat gaaatcacct caactcaagt 540
 ggtgggcccc cctactcata gtcagtgtta cactagccag ctctagggct ctgac 595

<210> 453
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 453


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aaaggccaag aaggcagtgt tgaaagggtgt ccacagccac aaaaagaaga agatccgcac 60
gtcaccacc ttcggcggc cgaagacact gcgactccg agacagccca aatatacctcg 120
gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt ttcgctgac 180
cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca ttgtggatgt 240
taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca ttgatgtgg 299

```

```

<210> 454
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414
<223> n = A,T,C or G

```

```

<400> 454
aaaaaggatt taggccactg cttttttctg agggaggagc ggccagcatg tgccccgcgg 60
ctcactgggc ctgtctaatac acacagcagt ggcaaaagga gtatctgcca gacgcttcct 120
atcactctat tctgtctcct catccacctg aagttcactc cgtttcccca atgacttaga 180
atggctttgt gcttagtttt aattgtagtt tgtgctattc tgtgaattaa caattcaaac 240
aaaataagaa agccatgttg ttaaacagta gaggagccag ggactctgtc tccattctct 300
catcacacac aagtcattgca tctacaaaa aaaaaaaaaa caaaaaaaca caacaacaaa 360
aaaactgtcc tctgaggagg cacaggtgtg acagataagg aacctgcagc tcanattcaa 420
caggcacctg ccaagtcac actcaggact gtgacagcct caacaacatg aggtccagac 480
acattcactg tggaaggctc tgcccacgcg 510

```

```

<210> 455
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 455
aaagtacttt taagaaaaaa agcagggcct tggaagtttt ggttcttttt tcttcccttg 60
ttgcaaatcc tcatggtttg gggtgggtgg tggagagcgc gtgtcatctg cgggtggcac 120
tgcccacggt gggcgggcgg gcctctctac tcgaaggtga ccacgtttag attctgagac 180
gggaagtgga ggggtgaatag gtcacggcgg cctttttttt ttagtttaac ttttctttt 240
ttgtgtgtta gtcattcctg tcggctctct gcttcttggt atcgacatcg tcatcctcat 300
catcttcag 309

```

```

<210> 456
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 456
gtggttgtgt ggtcgtgtct cggaaccgg tagcgttgc agcatggctg accaactgac 60
tgaagagcag attgcagaat tcaaagaagc tttttcacta ttgacaaaag atggtgatgg 120
aactataaca acaaaggaat tgggaactgt aatgagatct cttgggcaga atcccacaga 180
agcagagtta caggacatga ttaatgaagt agatgctgat ggtaatggca caattgactt 240
ccctgaattt ctgacaatga tggcaagaaa aatgaaagac acagacagtg aagaagaaat 300
tagagaagca ttcgctgtgt ttgataagga tggcaatggc tatattagtg ctgcagaact 360
tcgccatgtg atgacaaacc ttggagagaa gttaacagat gaagaagttg atgaaatgat 420
cagggaagca gatattgatg gtgatgggtc agtaaactat gaagagtttg tacaatatgat 480

```

gacag 485

<210> 457
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 457
 ccacagggac ctctgcagtg cccctaagt gacccggaca cttccgaggg ggcatcacc 60
 gcctgtgtat ataacgtttc cgggtattact ctgctacacg tagcctttta cttttggggt 120
 tttgtttttg ttctgaactt tcctgttacc ttttcagggc tgacgtcaca tgtagggtggc 180
 gtgtatgagt ggagacgggc ctgggtcttg gggactggag ggcaggggtc cttctgccct 240
 ggggtcccag ggtgctctgc ctgctcagcc aggcctctcc tgggagccac tcgcccagag 300
 actcagcttg g 311

<210> 458
 <211> 659
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 537, 573, 576, 637, 646
 <223> n = A,T,C or G

<400> 458
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcatacagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttctt gatatacctt tttttaactg ttgtggcttg ctgaatcaaa gcogetgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
 ctgaacaagc aacacctggg ctcatccgaa cctgcggat gtatttttca cccaagaaat 300
 ttccgatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
 acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
 gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
 ggagcctctt tttttcttt ccaagaaggc tgagttctac attgatgtga ttgaagnccc 540
 tccgcagggt tcctctgggg gcccttcacg atnacntgtg cgtcccttca gagtaatgtc 600
 gacattttct gggaatgtcg acagtctgat tgctganaat agtctncatt ctcgacctc 659

<210> 459
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 459
 cctccctggg aagtggaggg ggccaggcca cgaccaggca gaaatccacc aaaacaggag 60
 ggccaccgac atacaaacgc aggacacaga aacaacatgg gccccattcc aaaggatgac 120
 ctcaatgaaa gaccagcaaa atctacctgt gacagtgaga acttggcagt catcaacaag 180
 tcttcaggga gggttgacca agagaaatgc actgtacgga ggcaggatcc tcaagtagta 240
 tctcctttct cccgaggcaa acagaaccat gtgctaaaga atgtggaaac gcacacagggt 300
 tctctaattg aacaactaac aacagaaaaa tacgagtga tgggtgtgctg tgaattgggt 360
 cgtgtcacgg cccagtggtg gagttgtcag agctgttacc atgtgtttca tttgaactgc 420
 ataaagaaat gggcaagggtc tccagcatct caagcagatg g 461

<210> 460

<211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 530
 <223> n = A,T,C or G

<400> 460
 gccgttggtc ctgtgoggto acttagccaa gatgcctgag gaaacccaga cccaagacca 60
 accgatggag gaggaggagg ttgagacgtt cgcctttcag gcagaaattg cccagttgat 120
 gtcattgatc atcaataactt tctactcgaa caaagagatc tttctgagag agctcatttc 180
 aaattcatca gatgcattgg acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt 240
 agactctggg aaagagctgc atattaacct tataccgaac aaacaagatc gaactctcac 300
 tattgtggat actggaattg gaatgaccaa ggctgacttg atcaataacc ttggtactat 360
 cgccaagtct gggaccaaag cgttcattga agctttgcag gctggtgcag atatctctat 420
 gattgggacc ccgcctgcct gtccctgtgcc caccacgcag cagtcagggg agaaaatggg 480
 ggctatccct tctgcttaga gaaagaaatg gcctttagct ggtttcatgn ttgtgttttg 540
 actggaggga gtagacccta tctataaggt gccccccatc atcc 584

<210> 461
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 421, 430, 455
 <223> n = A,T,C or G

<400> 461
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatggg gttgaagtgt 60
 tggggcgggc aaaatttttg gggggtggtg tggagagaga atgggtgatg tttctcaggg 120
 ctgcttcaag tgggattggg gcggcgtggg aacataaagt gggagagatt aagctgaagg 180
 gaagtcttgt ggtaagggat gatattgtgg ggatgttaga agaaacattt gtcatataga 240
 atgattgggt atggcctgga tacagttttg gatgaactga gaagctaaat ggaagataca 300
 aggtctgaat aaaaggagga gaaaaatggg tattaaagga ctaagaattg ggaggacca 360
 ggacatccaa ttagagagtg cccaaggggg ttcagcgtaa ttacttgctt gggttgcaag 420
 nttttgggcn ctatccttga gtttttttat gttgncatag accaggccag a 471

<210> 462
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 462
 ctgctgcagc agcggcacta caagccaaat cagatgagaa ggcggcgggt gcaggcaaga 60
 agcctgtggg aggtgaagaa ggaaagaagg ctgctgttgg tgtaagaag cagaagaagc 120
 ctctgggtggg aaaaaaggca gcagctacca agaaaccagc ccctgaaaag aagcctgcag 180
 agaagaaacc tactacagag gagaagaagc ctgctgcata aactcttaaa tttgattatt 240
 ccataaagggt caaatcattt tggacagctt cttttgaata aagacctgat tatacaggca 300
 gtgaaaaaaaa aaaaa 315

<210> 463
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 463
 aaagagtggg ctgcaccccc cacacgccat ttacatcagc ttcataaaca cttttcttcc 60
 tccctgtaac ttaacctttt ttccctttta tgaagttgag aggctttatg aaataagttt 120
 gcattgcaca tccgtgcaga aatctttctg actttgaaat ttttaggacg tcag 174

<210> 464
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 464
 ccattcttcca caagtactcc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
 tgaaggagct gatccagaag gagctcacca ttggctcgaa gctgcaggat gctgaaattg 120
 caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
 tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
 tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
 tgtacaataa attttttttg gtcaaattt 329

<210> 465
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 167
 <223> n = A,T,C or G

<400> 465
 ttctggggta ggaagtgggc ccgggagatt ttggatggaa aagtcaggag gattgacagc 60
 agacttgtag aattacatag agaaattagg aacccccaaa ttcatgtca attgatctat 120
 tccccctctt tgtttcttgg ggcatttttc cttttttttt tttttgnttt tttttacccc 180
 tccttagctt tatgcgtcga gaaaccaaata taaacccccccc ccccatgtaa cagggggggca 240
 gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg ccccccgcca 300
 tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt tgagttgagg 360
 gtggagcctc ctggggggga ctgg 384

<210> 466
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 466
 ctgctttatt tggagaaata ccgacctaa atgcgattac gcttcagaga taccaatggg 60
 cattgctgtg ttcagtagaa ggaaatgtaa acgaaggctg acttgattgt gccattttaga 120
 gggaactctt ggtacctgga aatgtgaatc tggaatatta cctgtgtcat caaagtagtg 180
 atggattcag tactcctcaa ccactctcct aatgattgga acaaaagcaa acaaaaaaga 240
 aatctctcta taaaatgaat aaaatgttta agaaaagaga aagagaaaag gaattaattc 300
 agtgaaggat gattttgtct ctagtttttg agtttgaatt tctgccagga ttgaattatt 360

<220>
 <221> misc_feature
 <222> 495, 569
 <223> n = A,T,C or G

<400> 471
 ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120
 agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
 tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
 ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
 gtgtctactg aaaagggaac ctgcttcttt actccagaac tctgttcttt aaagaccaag 360
 attacattct caattagaaa actgcaattt ggctccacca catcctgact actaccgtat 420
 agttttctct attctttcat ttcccccttc cccattcctt tattgtacat aaagtaactg 480
 gtatatgtgc acaangcata ttgcattttt tttttactaa acagccaatg gtatgttttg 540
 attgacatca agtggagacg ggatggggna aaatactgat tctgtgaaat accccctttt 600
 ctccattagt ggcatgctca ttcagctc 628

<210> 472
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 472
 aaatgagaat acgagaatac ccagaatttt attcccagcc tttgtgtgga aaaggcagtt 60
 tgcattctta ggaacatct aactgttacc taaaccataa atatttctat ctactccatt 120
 caaccgaatt aaagaaaaca aaatgatgag aaaaatagga gccgaacaga aagaaaattc 180
 acatcatttt ctactattac gaacattcaa atggtgcttc aaattaaata cttttaatta 240
 tcattctagc caggatcata ctaagtagga tctcatgaca gtcacatatg cagcgacttc 300
 acctaaaccg tggcactgaa tgctctgcc tggagccgaa gcagcacagt gatcatcacc 360
 cacaaggaca ggttgctggg atgag 385

<210> 473
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 473
 aaatatatta aatatttcac tgaaatacat gggtcaccat cctccccac cccacagtg 60
 gttacattat aaaaccaaag cccacggcct cccacctcct gactcctcta ccaactgggt 120
 gaggaaggga acaatggtag cccaggggaa gggcatggct ggcactgtgg tacggggatc 180
 caggggtgtg acaggccctc ccacctggca agaagcagag acaagccacc caaggctgag 240
 gtcttccac tctgatctac ttataccctc acccctaccc catggcacca agtagtctct 300
 tcctatccct tcctatccag ggatatggct ggggacaggg gagtagattt tctgtctgga 360
 aaacaagtct tttccctcct ttctgccatg actaatgaag tacctgatgg cccatttggt 420
 tgatgtatga agatgcccaa gggaggcatt acccagaaac cagg 464

<210> 474
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 474

<213> Homo sapiens

<400> 478

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ctgaatctta gcggtctacag aaagaatctc cagaaatcag atctctctac tttagttaga 60
agatgccccca atcttgtcca tctagactta agtgatagtg tcatgctaaa gaatgactgc 120
tttcagggaat ttttccagct caactacctc caacacctat cactcagtcg gtgctatgat 180
ataataacctg aaacttttact tgaacttgga gaaattccca cactaaaaaac actacaagtt 240
tttggaatcg tgccagatgg tacccttcaa ctgttaaagg aagcccttcc tcatctacag 300
attaattgct cccatttcac caccattgcc aggccaaacta ttggcaacaa aaagaaccag 360
gagatatggg gcatcaaatg ccgactgaca ctgcaaaagc ccagttgtct atgaagtatt 420
tattgcagga tgggtgtctct tctttagaac agggaaaata ggcaggaagc ccaattgctg 480
gagtacttag ctagtt 496
```

<210> 479

<211> 521

<212> DNA

<213> Homo sapiens

<400> 479

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aaaaagttgt atttatagcc ccagtaaccg gaaagaatta taagtaatta tggaagtatt 60
atattctgac cataccaaga gttaaaaaca aagagttcct actaaagagg aatattttca 120
agatgatctg gtcacatcat gtgcatagtt aagattgttt gttttaataa agattctttt 180
gcaaataaag aaataaaatt tagtaaagtt attcttctct tgatgaaaaa accttaaaaa 240
tgaaccactg gtggtttaag aaggggggaa aaaagagtaa gctacatatt gaagttctag 300
aatgcagcac ctcaacttca catcttccat aagcatttaa gattaagaaa tccaagtgat 360
gtcttgacga tcgaatcaca ctttatagtt cttccaattc caatgtctga ctttagcatc 420
tcatgtcaat taaaagttcc ctaatacaaa atattgtgct aaagagtgct aagattctgc 480
atgctgctgc cattccctgg tcccgttcat gcttgtagct g 521
```

<210> 480

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 24, 245, 251, 277, 284, 305, 309

<223> n = A,T,C or G

<400> 480

```
gtngaccggg ggcggggctc catncgggaa gccggtgggg ccttcggaaa gagagagcag 60
gctgaagagg aacgatattt ccgagcacag agtagagaac aactggcagc tttgaaaaaa 120
caccatgaag aagaaatcgt tcatcataag aaggagattg agcgtctgca gaaagaaatt 180
gagcgccata agcagaagat caaaatgcta aaacatgatg attaagtga caccgtgtgc 240
catanaatgg nacatgtcat tgcccacttc tgtgtanaca tggntctggt ttaactaata 300
tttgnctgng tgctactaac agattataat aaattgtcat cagcgaaaaa aaaaaaaaaa 360
aaaaaaaaag cttgacctgc c 381
```

<210> 481

<211> 419

<212> DNA

<213> Homo sapiens

<400> 481

<211> 520
 <212> DNA
 <213> Homo sapiens

<400> 485
 aaaagaagaa atcatgcaag aaaacaaagg gaacaaaaaa tctgccagcg ttatgatcag 60
 ctcatggagg catgggagaa aaaagtggac agaatagaaa ataatcctcg gaggaaagct 120
 aaagaaagca aaacaaggga atactatgaa aagcagtttc cagaaattcg aaaacaaaga 180
 gaacagcaag aaagatttca gcgagttggg cagaggggag ctggtctttc agccaccatt 240
 gctaggagtg agcatgagat ttctgaaatt attgatgggc tctctgagca ggagaataat 300
 gagaaacaaa tgcggcagct ctctgtgatt ccacctatga tgtttgatgc agaacaaaga 360
 cgagtcaagt tcattaacat gaatgggctt atggaggacc ctatgaaagt gtataaagat 420
 aggcagttta tgaatgtttg gactgaccat gaaaaggaga tctttaagga caagttttatc 480
 cagcatccaa aaaacttttg actaattgca tcatacttgg 520

<210> 486
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 433, 475
 <223> n = A,T,C or G

<400> 486
 ccttgctatg aagcagtgtg tgaatggaca atgttgaatg aatgtctggc tcagtgatgg 60
 agagccaggt tcatctttga aatctagggc tcttcaactca tgaagcagac tcctagtctc 120
 ggagtgactg tgtacgagag cgtggttgtg gtgctgtatg tgaacgcatg caagcttgat 180
 tcaccttcag ggggctgata acctagtaaa tcatcaaaat gagatcataa gtgttaaatgt 240
 aacttgaca tgaaaacaaa gactggttta gcagcagaca ttggtttact ctgcagcctg 300
 tgttttctgt tttccctttt cccacctcct tccccccacc caatcctttt ttttttcttt 360
 tttgcttttc ttttcttttt tttagttttt atttacttta cctagtatgc ctttttttag 420
 ttgcttctca agncagaaaa cttttcagga aggtttccct gtgcatttgc accanatgaa 480
 tgtttgatgc tatgaaaagc tttccatata atcaaaaacta atttgtgtag atttttgcat 540
 gaaaaaaatc ataaatttcc ctcaaaat 568

<210> 487
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 487
 ctgcagcctg ggactgaccg ggaggctctg accattttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccaagg ggttgagttt 120
 gttgctggag atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
 ttcattcaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
 gacgttctgg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
 ccctggggta gcttggttag ttcctattac atatcctaca attagactgt tgccatccac 360
 tctttgcgct ttgtaccag 379

<210> 488
 <211> 475
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361

<223> n = A,T,C or G

<400> 488

```
ctgtcagggg cggcgtgcct ggtgatgcgg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcctgaggtg tggcggtcag tctgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctcatctct 180
caggtagaca gtgaggagtc ctgggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttgaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggat 300
agtgggtcct gcatacccag ggtattatct gagccatgga agcaaacag agactgctta 360
nctccctaa gagtagttgg tgggagaggg cagcaaccat ggaggcagga gcagctcctc 420
tttgctctg agtagtcccc acatgttccc cttccagag atttcaactg ccagg 475
```

<210> 489

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324

<223> n = A,T,C or G

<400> 489

```
ctggcccttg aagtccaggt cgatgggtgaa gtccaggtcc cggttggtct tggcggtggg 60
ccgcatgccg atggtgccga agatctcctc gccgctcttc acggtcaggt agtcctccat 120
gtagaacacc gtctgcttcc agtgcggtga cggggactcg gggctgggtg agaagccggt 180
cctcttggtg cagcggtgtga actcgatggt gaagtaggcc accagggcgt gcacgtagtc 240
attccgcttc acttgccaggc agaacgggga ggtgaaggtc aggtcttcca ccttgacggt 300
atagatgtcc acctccttta tgangcaggc gttggtgacc ag 342
```

<210> 490

<211> 428

<212> DNA

<213> Homo sapiens

<400> 490

```
ccatagctga agctgtgggg ccagttgata cctgctggca ggaaatggct gtttttttagg 60
tttgtattta tgtgccgcca cttttgtaag gctggggaga tcccagggtc ctccaccctc 120
cccctgacca catacaaagg cactctagtt caagagtga aaatctcacc caggaggaac 180
agccctcctt gaagcaatgg cagggccagc agggaggtg gcatggcagg gaatggagag 240
agtgaaccag acagacttca cctccttact ggacacaggg tcaagggcga gtttcaattg 300
ctgctccctt tactttctct acctgtgact actccctgga ccaatcctga ggagggcaca 360
ttttccagaa gccacgtgat aggggctggt ttctgtggag ccagaggcag agacactgaa 420
cttgagct 428
```

<210> 491

<211> 450

<212> DNA

<213> Homo sapiens

<400> 491
 ctttgacttg gactatgact ttcaacggga ctattatgat aggatgtaca gttacccagc 60
 acgtgtacct cctcctcctc ctattgctcg ggctgtagtg ccctcgaaac gtcagcgtgt 120
 atcaggaaac acttcacgag ggggcaaaag tggcttcaat tctaagagtg gacagcgggg 180
 atcttccaag tctggaaagt tgaaaggaga tgaccttcag gccattaaga aggagctgac 240
 ccagataaaa caaaaagtgg attctctcct ggaaaacctg gaaaaaattg aaaaggaaca 300
 gagcaaacaa gcagtagaga tgaagaatga taagtcagaa gaggagcaga gcagcagctc 360
 cgtgaagaaa gatgagacta atgtgaagat ggagtctgag gggggtgcag atgactctgc 420
 tgaggagggg gacctactgg atgatgatga 450

<210> 492
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 492
 ccagagggct gtgctgaagt ttgctgctgc cactggagcc actccaattg ctggccgctt 60
 cactcctgga accttcacta accagatcca ggcagccttc cgggagccac ggcttcttgt 120
 ggttactgac ccagggctg accaccagcc tctcacggag gcattctatg ttaacctacc 180
 taccattgct ctgtgtaaca cagattctcc tctgcgctat gtggacattg ccattccatg 240
 caacaacaag ggggctcact cagtgggttt gatgtggtgg atgctggctc gggaagtctt 300
 gcgcattgct ggcaccattt cccgtgaaca cccatgggag gtcattgctg atctgtactt 360
 ctacagagat cctgaagaga ttgaaaaaga agagcaggct gctgctgaga aggcagtgc 420
 caaggaggaa t 431

<210> 493
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 457
 <223> n = A,T,C or G

<400> 493
 ccagctaat tttgtatfff taatagagac ggggtttctc catgttggtc aggctgttct 60
 tgaactcctg acctcaggtg atctgcctgc ctgcgcctct caaagtgtgt ggattacagg 120
 catgagccgc catgcccagc ccaacatact caattatftg ctgcctgttc tttcatccct 180
 tccagcaaca tgccatagaa ctagagatga taaaacaaca cttgtttgtt tctatgtcat 240
 gacgtgggtc ctatgattct attgattagt attcacagca ttcaattatt caaaaaccaa 300
 ggaagagctt ttcataggtc taataaaaaa gaaatagagg cagaaagaaa tgggggcagg 360
 taaaccttat tgcttgact gacacacatt ttagactttc acattactcc agactcaaaa 420
 aaggtaaacc aaaatgttct tagaacttca ttattgnnta atcattgaca g 471

<210> 494
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 494
 aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagtttaat 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120

```

attacctaag ggttttatatc ctcaaatacg acatttctagt caaagtcttg gtaatataac 180
caatgttttc aaatgtattc tgttatacaa agagcagatt tttattgaac ttgtgcaata 240
actatattac catacaatat aaatattcat gaatagtttc ccaagtcttg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
gtaagctgtg                                     370

```

```

<210> 495
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 495
ctgatctggg tgaaggcggg gtgggtcgtaa attggctttg tccagtaagt acagggtatg 60
gggatagggg taaggatagc cttcctggaa tcctgtgtca tttttcacat cataaatatt 120
gcattcatga agatcgatga tgggtgatat ggggtagaag gtctctagaa catgattctt 180
agtagcttca atctcctctc tggaggcgat ggtgggcaga ggatccttag tgctcagtcg 240
ggctccacca gaaccacgga cttgaaggag aagagactct cggttccagg tagcagaaaa 300
cgtggagttt tggacacaga tcctcctggg cagagaagga tgcttgagaa tctgagattt 360
acacag                                     366

```

```

<210> 496
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 496
ctgcggtggg aggctgcaga cctcaccgcg accgatccag accactcctc ccaaggacac 60
ttgtagcccg gagctgctca tgtccttgat ccagacaaag tgtgccgacg acgccatgac 120
cctggtacta aagaaagagc ttgttgcgca tttgaagtgc accatcacgg gcctgacctt 180
ctgggacccc ag                                     192

```

```

<210> 497
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 497
cctaccgcaa ggtcacagca cagttttgta tagaatgttg cagaaaacag gatggagaag 60
ccactactgc tgctatgaag gagtgcgagg ggcgggcgcg ggggtccac agaacctgct 120
ttccaaacgc tgctgctgaa cactggcctt gaaatgaaca ccaggacaat ctgtgtgtga 180
tgggaatgag ccacctcaga tgtggagggc cctgaagaat ccatatagga gggcaggctc 240
t                                     241

```

```

<210> 498
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 498
ctgtccctcc actacagaaa cctcacagaa cacagcaaag gataagtgca agaaggctgc 60
ttccagctcc aaagcaccta agaatggagg taaagcgaag gattcagcaa agacaacaga 120
ggaaacttcc aagccaaaag atgactaaag aaatacaagt taaggatatc ggtatctgca 180
tgtaaaatct tcag                                     194

```

<210> 499
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395
 <223> n = A,T,C or G

```
<400> 499
tttttgtgtg agcaacaagg ctgtttatatt cacctgggtg caggcgggct gagtccgaaa 60
agagagtcag caaagggaga tgggggtgggg ccgttttata ggattaggga aggtaatgga 120
aaattacagt caaagggggg ttgttctctg gtgggcaggt gtggatctca caaagtacac 180
tctcaagggg ggggagaatt acaaaggacc ttcttaaggg tgggggagat taaaaagtac 240
atztatcagt taggggtgggg caggaacaaa tcacaatgtt ggaatgtcat cagttaaggc 300
tgtttttact tcttttgtgg atcttcagtt acttcaggcc atctggatgt atacgtgcaa 360
gtcacagggg atgcgatggc ctggcctggg ctcanagg                               398
```

<210> 500
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 344, 428
 <223> n = A,T,C or G

```
<400> 500
ctgttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
ctgttgctct ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
aattgtagcc ttgatgagag aatccaattc ttcatctcca cgaatagcaa gttgcaagtg 180
acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgcca gttcaagtac 240
ctctgcgggt aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
tccatgactg gtcgtcctag attttaggtg tcgatgaata cgggccactg ggaactgcaa 360
gceggctctc tgcgagcggg aaaccgcctt tgtcttggcc tttccggagt cttttccagc 420
cttaccgnca gccattt                               437
```

<210> 501
 <211> 488
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 478
 <223> n = A,T,C or G

```
<400> 501
ccaatcagtg ggatccgagg tggctcggcc catcatgccc aggatctgag cccacatctg 60
gcaccagctc taccaagggc ctgttggggc cacacaagct tgccctgtacc tagtcaggct 120
ggtaccggca cctcctgaaa tgggtcacc tccggttctt gctcagcagc tctgagccct 180
tttccagcct cttggaggga agtaacaaca gcagcatctg ccgaggagca caccggttcag 240
```

```

gctccatcaa tgacgggtgat gtcgaggggc cccagggcta cctccacct cgagttacct 300
ttgatcacia ctaggggcatc tttctggctg agttaagggtg agaacagtc cctgaagcct 360
cccccaaata agtgaaaagt gctctactgt ggggtctgga aagaagaaag caaaaagcag 420
cctattcacg ttcacagtcg aaaaatgtaa gctaaattgt aaacctgctc aaagaaantc 480
tagaaagg                                         488

```

```

<210> 502
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 537, 547, 558, 568, 575
<223> n = A,T,C or G

```

```

<400> 502
aaatcaacat taaccaaagt acctgcaagt aacactgctt actcttgctg tttgcctcat 60
ctgactggaa accttagccc ccaaatatga aatgccttct ctagattaaa aggattcaga 120
gatgttacac tattgcacta tatttctgct tcccgatctc gtttctgagt cctagtgaag 180
tcgtaaacia gagatgaaat aaacgtcgtt ccattttaat accgtcttta gtatcataca 240
catgtgttca gtagtgagcc acccaaagcc tcttgccaca ggagcagtag tcgaagcaca 300
gaggggaccc cgctctgctg cctccccatg cagtcacagt atgaggtgga tggagtcttc 360
cccacagtca caccccaagc ttctcttctt ggtggaaata ggcatcaaac cttgcttggg 420
cntagtccag cttccaaccc aaagtcgggc actacaggct ggagaatgaa gtggtaaccg 480
ataaataaaa ccttccacag cacaggcagg agccaccac tcttcttcac ttactgnccc 540
gtgtcanaag ggactgangt cagagctnga cttcnagggt gcagatgcc 589

```

```

<210> 503
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 35, 36, 38, 71, 125, 143, 189
<223> n = A,T,C or G

```

```

<400> 503
gctttttttt tttttttttt tttttttttt ttaanncnca gggtttatth gcaaaactgg 60
gctgggttga ncaaaggggg ctttgggatg ctgaccctc tctgacctg ccgttgccgac 120
ctcanccctg agttaccctg cancaggcat ggacaggcgg ccgccttgcc tgtcgcaact 180
tcttgccanc aa                                         192

```

```

<210> 504
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 427
<223> n = A,T,C or G

```

```

<400> 504
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg ggggttggtt tggagagata atgggcgatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgcgtatag 240
aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagatac 300
aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
aggacatctg attagagagt gcctaaggag attcagcata gtccctgccag caaagattat 420
ttacttnaag agttaagagt ggcagtttgg gggatagcac caggagatat cag 473

```

```

<210> 505
<211> 131
<212> DNA
<213> Homo sapiens

```

```

<400> 505
ccaaatatca tctttgatga cctctcctaa ctcatcagca cctgcatcag aatggtcagt 60
aaaccaggta aagaagctct ctggttcctc atgctgcctc ttctgtctgg ctttattctg 120
tgtttgactc g 131

```

```

<210> 506
<211> 504
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 195, 476
<223> n = A,T,C or G

```

```

<400> 506
gtgcaaagga tgagttgcac attgttgaag cagaggcaat gaattacgaa ggcagtccaa 60
ttaaagtaac actggcaact ttgaaaatgt ctgtacagcc aacggtttcc cttgggggct 120
ttgaaataac accaccagtg gtcttaaggt tgaagtgtgg ttcagggccca gtgcatatta 180
gtggacagca cttantagct gtggaggaag atgcagagtc agaagatgaa gaggaggagg 240
atgtgaaact cttaagtata tctggaaagc ggtctgcccc tggaggtggg agcaagggtc 300
cacagaaaaa agtaaaactt gctgctgatg aagatgatga cgatgatgat gaagaggatg 360
atgatgaaga tgatgatgat gatgattttg atgatgagga agctgaagaa aaagcgccag 420
tgaagaaatc tatacgagat actccagcca aaaatgcaca aaagtcaaat cagaantgga 480
aaagactcaa aaccaccatc aaca 504

```

```

<210> 507
<211> 337
<212> DNA
<213> Homo sapiens

```

```

<400> 507
ccacacatag cacagccacc agtgtctctc gaactagcag tcagggtcac agaacagtat 60
tcaaaatgat tgccacacct ttttagaaat ctaaaatttt acatgtaact aagagcaaag 120
tgctatgtgg gtttttagacc atgactgttt gtttgcctc ctgccctacc accaagcaaa 180
gcagcagggc tcctggggga gagggatttc aacccccctg atggcagggg gtgctctggg 240
gaggagagag gagagaacag gctgttttgg aaaattccag cactttgact tcggggccatg 300
cgtctctcct ggacgttctg agtacggatc gctcagg 337

```


<210> 508
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 508
 agtaagtcaa cagcttattt taggaaactg taaaagtaat agggaaagag atttcactat 60
 ttgcttcac agtggtagg ggcggtgac tgcaactgtg ttagcagaaa ttcacagaga 120
 atggggattt aaggttagca gagaaacttg gaaagttctg tgtaggagc ttgctggcag 180
 aattaacttt ttgcaaaagt tttatacaca gatatttgta tttaaatttg agtcatagtc 240
 agaagactca gatcataatt ggcttatttt tctatttccg taactattgt aatttcact 300
 tttgtaataa ttttgattt 319

<210> 509
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 509
 ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gcgggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctgggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggctcgcttt gctgttcgtg atatgagaca gacagttgag gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
 ctgagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggg ctgagaactg tttgtttcaa ttgg 454

<210> 510
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 70, 95, 146, 154, 164, 167, 226, 279, 317, 320, 322
 <223> n = A,T,C or G

<400> 510
 agcttttttt tttttttttt tttttttttt ttttttngca ttgcaaaaat ttattaaaat 60
 tggagaccn tgttttaatc ttcttggtgcc atganactcc atcaggcagt ctacaaagac 120
 cactgggagg ctgaagatca cttganccca aaantttgag gctntantaa gcttcaaagg 180
 ccactgcacc ctaacttggg tgaggcaaga ccctttcaag cataanctgc atgcttgctt 240
 gttgggggca ttaaaaaccc tgaaagcgaa gcccacatnt taatcagggc aaaatacaaa 300
 tgtgtgatgc ttgttantan antaa 325

<210> 511
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 511
 cctctggttg caggactcgt gaatggagca gttctgagaa ccaccctttt gctaagggag 60
 cttgggagcc acatggctgc tcccttcaca ctgggtaaca gtgtagtata ctgtgagaga 120

ataaatgtat tcattt

136

<210> 512

<211> 474

<212> DNA

<213> Homo sapiens

<400> 512

```
cagccgggga ggctcccctc agatggatga catcaaagtg ttccagaatg aagtttttagg 60
aacactacag cggggcaaag aggagaacat ttcttgtgac aatctcgtcc tggaaatcaa 120
ctctctcaag taagagcagc cctccctgt tctcctcggg gtgatcccg gaaggtagag 180
gctttctcgt aagtgttttg tctccaaata ggaacctatt ccttcgacat cccaaatgga 240
aagaccagta gtatttggag caggagagc attattaagt tctagcctca gcatagactt 300
tctccttcct aaaccctccc ctcccatatt gttccatcca gattcctctc caatgtctat 360
caaagtcata gttctaagcc tgctgaaagg ccagtgaagg ccctggtgtc accccagtct 420
ccccacaggt atgcctataa cgtaagtcta aaggagggtga tgcagggtact gagg 474
```

<210> 513

<211> 315

<212> DNA

<213> Homo sapiens

<400> 513

```
ccacacaggc tatctgaaca cggtgactgt ctctccagat ggatccctct gtgcttctgg 60
aggcaaggat ggccaggcca tggtatggga tctcaacgaa ggcaaacacc ttacacgct 120
agatggtggg gacatcatca acgacctgtg ctccagccct aaccgctact ggctgtgtgc 180
tgccacaggc cccagcatca agatctggga tttagaggga aagatcattg tagatgaact 240
gaagcaagaa gttatcagta ccagcagcaa ggcagaacca cccagtgca cctccctggc 300
ctggtctgct gatgg 315
```

<210> 514

<211> 385

<212> DNA

<213> Homo sapiens

<400> 514

```
aaaaatatatt acgtcttaca ggagctggat aatccagggtg caaaacgaat tctagagctt 60
gaccagttta aggggcagca gggacaaaaa cgtttccaag acatgatggg ccacggatct 120
gactactcac tcagtgaagt gctgtgggtc tgtgccaaac tcttttagtga tgtccaattc 180
aagatgagtc ataagaggat catgctgttc accaatgaag acaaccccca tggcaatgac 240
agtgccaaag ccagccgggc caggaccaa gccggtgatc tccgagatac aggcattctc 300
cttgacttga tgcacctgaa gaaacctggg ggctttgaca tatccttgtt ctacagagat 360
atcatcagca tagcagagga tgagg 385
```

<210> 515

<211> 216

<212> DNA

<213> Homo sapiens

<400> 515

```
aaatttcatt tactttgttt tactgtaatt tacacaagag actgacaagt aaactaggta 60
ttttacattc accacacatt cctcaaatc tccacagttg ttagaaaaac attaaaatcc 120
atgcgcggg ctctcatttc catgtgcgcc taagctccca atgatactac agatgccagc 180
gagagttaag ttcattaaaa ggagagggtc agactc 216
```

<210> 516
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 516
 cctctgttgc cagaccagag ctggaggtaa atgctgccat agtctctgga caaagcagtg 60
 agcccaaaga gatagttgaa aagtcacaaa tcccaggccg aagaaactcc cgaactgaag 120
 agccaactgt ggcctctgaa agtgtggaaa atggacatcg taaacgatct tctcgacctg 180
 cttcagcctc cagctctact aaagacataa ccagtgcggt gcaatccaag cgaagaaaat 240
 ccaagtaaac aagcaggact gcgacttgat acttggaat gtgtgtgact ttacaaaaga 300
 gcaattttga gctgtgactt tttt 324

<210> 517
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 517
 ctgacccgcg ctgagggctc ctcaaagtct gagcaagacc aggcagaaaa tgagggcgag 60
 gactcggtctg tgttgatgga gagactgtgc aagtacatct acgccaagga ccgcacagac 120
 cggatccgca catgtgccat cctctgccac atctaccacc atgctctgca ctgcgcgtgg 180
 taccaggccc gcgacctcat gctcatgagc cacttgccagg acaacattca gcatgcaggc 240
 ccgccagtgc agatctttta caaccgcacc atggtgcag 279

<210> 518
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 518
 aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
 gcccccccaa cactcttaat ctctctctca gctcttctgc tgaagaattt ggccttcacg 120
 atgacaggct gctttgggag ctttcccttt ccagaaactt tgtagtagcc cgatcgcacc 180
 acatcaatga tgggagcagc ccccgctctg tttttagcag cattcacccg tgtctgttca 240
 ctgaccaaag tccacaattt gtcaagggtg acagttgggc agaagctctg gttcctcttt 300
 aagtggtaat gcttcatacc aactttccca aagtagcctg ggtggtattt gtogaagttg 360
 atccggtggt gatgcagacc accagcatta 390

<210> 519
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 519
 ctggtgaatg acggtgccat gactgagggt gtcgaaagg agtattttaag gggaaatcag 60
 gcattccgtt ttgaccaaata taagctggag atgcctgtgg aacattccag ccaggctgca 120
 tcacgtcaca ctgaccttca gcattgccca cagtcacatc tccccagga cctgaggatt 180
 ttgcgtccgg ctccctctct gcccaggacc cccaagctcc cagcacgctt ctgatttttt 240
 tttgtagggt tttttttttg ttttttggtt tgttttggtt tgtttttgag agggagtctc 300
 acttttgtgc ctgactgga gtgcaatggc gccatctcgg ctactgcaa cctccacctc 360
 ccagggtgaa gcgattcccc tgctcagct tcccagagtag ctgggattac agatgtgagc 420
 caccgtaccc agctaatttt tgtattttta gtagagacgg ggtttcacca tattgg 476


```

ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgetgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaan gctgctggag ctggcaaggt caccaagtct gccagaaaag 360
ctcanaaggc taaatgaata ttatccctaa tacctgccac cccactotta atcag 415

```

```

<210> 524
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<400> 524
tgcaaaaccc cactctgcat caactgaacg caaatcagcc actttaatta agctaagccc 60
ttactagacc aatgggactt aaaccacaaa acacttagtt aacagctaag caccctaata 120
aactggcttc aatctacttc tccgcgcgcc gggaaaaaag gcgggagaag ccccggcagg 180
tttgaagctg cttcttcgaa tttgcaattc aatatgaaaa tcacctcgga gctggtaaaa 240
agagg 245

```

```

<210> 525
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439
<223> n = A,T,C or G

```

```

<400> 525
aaaattatatt cttgaatctc tccatacaca ggcaaaaata agtgtgttac ttaacatact 60
ggaaattgcc taacttaatac attgcctaaa gaagagaaaa ttatcccaa aacgcgctta 120
accaggaggc caatgcattt gccgacctcc aagaacatgg agatgaacgt gatagacaga 180
ctgtccacca tctgaacctt cattcaccac cattcgataa cccttattca ggcccagatc 240
agcagcacat ttcttgccaa caatcattaa gtgtccaaga agactttcat catcatcttc 300
taccacagaa atctgggata tatgtttctt gggatatcacc agaaaatgtg ttgggtgcttg 360
aggggaaatg tcatggaaag caaggcaccg gtcacacctca aaaatgattt tggctggtat 420
ttccttgcgg atgatcttnc caagatcgt gtcgccacc 459

```

```

<210> 526
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 109, 131, 260, 266, 343
<223> n = A,T,C or G

```

```

<400> 526
ccaaggcccc ttttgcagcc cacggctatg gtgccttcct gactctcagt atcctcgacc 60
gatactacac accgactatc tcaagtgaga gggcagngga actccttang aaatgtctgg 120
aggagctcca naaacgcttc atcctgaatac tgccaacctt cagtgttcga atcattgaca 180

```


tttccaccct ctctccacct gcctctggct tctcagg 217

<210> 530
<211> 479
<212> DNA
<213> Homo sapiens

<400> 530
aaaactgata ataatgctga attatcttaa gtgagatgtt aagcccactt tgttctttta 60
atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaa aaaaaaaac 120
catgcattac tgcttttcct accacttcca gtaagaaaat ggggtgttttg aagaaatcat 180
ttgccttgtc ctcacggaat ctgattaagc cctggcctct tgattgtata gagtcattgt 240
gtatatcca gttacctaga tattcccttg agattttgat acaatttgag ggaggcagaa 300
gtctgcagtt gaagaaaaaa aataagtcct tttgtcatat ttaagtagcc tgtggctatt 360
tttatactga ttttgatatc atgttctttt catagtcgta ttttgccacc gtaaacataa 420
aaaaaaaaaa aagatttcca aaatgccggt ttcagaacct gggttttaat agcagtatt 479

<210> 531
<211> 344
<212> DNA
<213> Homo sapiens

<400> 531
ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca ggcacccagt catcctgaat 120
gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtcg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 532
<211> 229
<212> DNA
<213> Homo sapiens

<400> 532
ctgatattag tagctttgca accctgatag agtaaataaa ttttatgggt gggtgccaaa 60
tactgctgtg aatctatttg tatagtatcc atgaatgaat ttatggaaat agatatttgt 120
gcagctcaat ttatgcagag attaaatgac atcataatac tggatgaaaa cttgcataga 180
attctgatta aatagtgggt ctgtttcaca tgtgcagttt gaagtattt 229

<210> 533
<211> 516
<212> DNA
<213> Homo sapiens

<400> 533
ctaccctgcc actggcccct atggcgcccc tgctgggcca ctgattgtgc cttataacct 60
gcctttgcct gggggagtgg tgccctcgcat gctgataaca attctgggca cgggtgaagcc 120
caatgcaaac agaattgctt tagatttcca aagagggaat gatgttgctt tccactttta 180
cccacgcttc aatgagaaca acaggagagt cattgtttgc aatacaaagc tggataataa 240
ctggggaagg gaagaaagac agtcggtttt ccattttgaa agtgggaaac cattcaaaat 300
acatgtactg gttgaacctg accacttcaa ggttgacagt aatgatgctc acttggttgca 360
gtacaatcat cgggttaaaa aactcaatga aatcagcaaa ctgggaattt ctggtgacat 420

```

agacctcacc agtgcttcat ataccatgat ataatctgaa aggggcagat taaaaaaaaa 480
aaagaatcta aaccttacat gtgtaaaggt ttcatg                               516

```

```

<210> 534
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 534
ctggtggctt ccctgcatgt cagggctctt cgacagatca tgggccactt cgaggggctc 60
gggaaggggt acgctgtgtc cgtcgagcac cgggatgccc accaccggcg cccggtgcat 120
cag                                                                123

```

```

<210> 535
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 390
<223> n = A,T,C or G

```

```

<400> 535
ccagttttat ccgagactct aaataagcac cgagctgata atcggattgt agagcgttgt 60
tgcaggtgcc tgcgctttgc tggtcgctgt gtaggcaaag gatctgcagc actgctgcag 120
ccactagtca cacagatggg gaatgtgtac cacgtacatc agcattcctg cttcctgtac 180
cttggcagta tccttgtgga tgaatatggc atggaagaag gctgtcggca gggactgcta 240
gacatgctcc aggcactgtg catccccacc tttcagctcc tagaacagca gaatgggtctc 300
cagaatcacc ctgacactgt agatgacctg ttccggctag ccaccagggt tattcagcgt 360
agccctgtca ccttgtctgc gageccaagtn gtcatcccta tcttacagtg ggccattgcc 420
tctactaccc tggaccaccg ggatgccaat tgtagtgtca tgaggtttct acgagacctc 480
attcatacag gggtagccaa tga                                                                503

```

```

<210> 536
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 337
<223> n = A,T,C or G

```

```

<400> 536
ggctactggg ggaacaagat cggcaagccc cacactgtcc cttgcaaggt gacaggccgc 60
tgcggtctct tgctggtacg cctcatccct gcaccaggg gcaactggcat cgtctccgca 120
cctgtgccta agaagctgct catgatggct ggtatcgatg actgctacac ctcagcccgg 180
ggctgcactg ccaccctggg caacttcgcc aaggccacct ttgatgccat ttctaagacc 240
tacagctacc tgacccccga cctctggaag gagactgtat tcaccaagtc tccctatcag 300
gagttcactg accacctcgt caagaccac accagantct ccgtgcagcg gactcaggct 360
ccag                                                                364

```

```

<210> 537

```



```
<400> 540
ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
agttcctccc cacgatgcaa tgcacaggtgg gattgtactt cttgtcaaata tccttctttga 120
tatgagccgc aatgtccttc tctatgttgg atttctccag cgctcagata ggcactcca 180
ccgagtcctg ttgcatctct tccgacatgt ccgcattttt gatcacggnc tttcggtcgc 240
```

acttggttac cgtggagaag gggctggccg actgcaacgg tctnctgggg gaggtgctag 300
cacagctcaa gcccggtag agctaccgtc gctaccgaaa ca 342

<210> 541
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 334
<223> n = A,T,C or G

<400> 541
caacagaata aatactttta tagtagtttt ataatcctga aattcgaaag ctttcccaat 60
tgcacttgca tctaaacaaa actgttgcaag tttttactct atttattttg ttccccatgt 120
ttatgaaagt cctgcacagt ttcaaaggca tggtaaataa tatatcaatg tttatgtagt 180
ctgttacaga aacagctata gataacatta tccagtgaag agcaaaattc aagctttaga 240
aaatattcat gcatgcaatt ttgacatata taaaaatagg tttttgtata tttatggtgg 300
gaggtgggtg ggaactttta acaaaatggg gngntaattt ttgtacagtc tgtgggcatt 360
tacacatttt taatgtatta aaatttggtg attatgtgta cattaaatta ataaaagtta 420
ct 422

<210> 542
<211> 262
<212> DNA
<213> Homo sapiens

<400> 542
ctgacaacga aggccgcgcc tgcctttccc atctgtctat ctatctggct ggcaggggaag 60
gaaagaactt gcatgttggt gaaggaagaa gtgggggtgga agaagtgggg tgggacgaca 120
gtgaaatcta gagtaaaacc aagctggccc aaggtgtcct gcaggctgta atgcagttta 180
atcagagtgc catttttttt tttgttcaaa tgattttaat tattggaatg cacaattttt 240
ttaatatgca aataaaaagt tt 262

<210> 543
<211> 238
<212> DNA
<213> Homo sapiens

<400> 543
ctggagacac tttagaactc tttccccatc ctccaccata gtgcaaactt cacgctttctc 60
tgagcacctc caaggtatgc ctttgaagtg aaacagaaaa gggaagaaag ggggcttttt 120
cttttccatt tctgaccaa cagaggtctg aaatagcagt gtattatgaa attctcattc 180
cctgcaacag tcagccacca cttggaaaat ggctattttt gccataaact agattttt 238

<210> 544
<211> 346
<212> DNA
<213> Homo sapiens

<400> 544
ccaccctgaa aatcaggaac tccaacttct acacggtggc agtgaccagc ctgtccagcc 60
agatttcagta catgaacaca gtggtgaatt ttaccgggaa ggccgagatg ggaggaccgt 120

```

tttcctatgt gtacttcttc tgcacggtac ctgagatcct ggtgcacaac atagtgatct 180
tcatgcgaac ttcagtgaag atttcataca ttggcctcat gacccagagc tccttggaga 240
cacatcacta tgtggattgt ggaggaaatt ccacagctat ttaacaactg ctattgggttc 300
ttccacacag cgctgtaga agagagcaca gcatatgttc ccaagg 346

```

```

<210> 545
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 545
ctgctactga gtaaggggca ttctgtttac agaccaagga gaactggaga aagaaagaga 60
aaatcagttc gtggttgcat tgtggatgca aatctgagcg ttctcaactt ggttattgta 120
aaaaaaggag agaaggatat tcctggactg actgatacta cagtgcctcg ccgcctgggc 180
cccaaaagag ctacgagaat ccgcaaaactt ttcaatctct cttaaagaaga tgatgtccgc 240
cagtatgttg taagaaagcc cttaaataaa gaaggtaaga aacctaggac caaagcacc 300
aagattcagc gtcttgtttac tccacgtgtc ctgcagcaca aacggcggcg tattgctctg 360
aagaagcagc gtaccaagaa aaataaagaa gaggctgcag aatatgctaa acttttgg 418

```

```

<210> 546
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 546
cgaattcttc aggatgatgt tgcattgtac atcattaaaa taggttcttt agtaaggaat 60
aaagagagat ttgtaaaacg aagacaacgg cttattgggtc ccaaaggatc tacattgaag 120
gcattggaac tcttaactaa ttgttacatt atggttcagg gaaacacagt ttcagccatt 180
ggacctttta gtggcttaaa agagggttaga aaagtagtcc ttgatactat gaagaatatt 240
catccaattt ataacattaa aagcttaatg attaagagag agttggcaaa agattctgaa 300
ttaacgatcac aaagttggga gagatttttg ccacagttca aacacaaaaa tgtgaataaa 360
cgcaagggaac caaagaaaaa aactgttaag aaagaatata cgccattccc accaccacaa 420
ccagaaagtc agatcgataa agaattggct agtgggtgaat actttttgaa ggcaaatacag 480
aagaagcggc ag 492

```

```

<210> 547
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 515
<223> n = A,T,C or G

```

```

<400> 547
aaaagaaaaa gatatacttg ttttgccctt tgacctgacc gacactgggtt cccatgaagc 60
ggctacccaa gctgttctcc aggagtttgg tagaatcgac attctgggtc acaatggtgg 120
aatgtccagc cgttctctgt gcatggatac cagcttggat gtctacagaa agctaataga 180
gcttaactac ttagggacgg tgtccttgac aaaatgtgtt ctgcctcaca tgatcgagag 240
gaagcaagga aagattgtta ctgtgaatag catcctgggt atcatatctg tacctctttc 300
cattggatac tgtgctagca agcatgctct ccggggtttt ttaaatggcc ttogaacaga 360
acttgccaca taccaggtta taatagtttc taacatttgc ccaggacctg tgcaatcaaa 420
tattgtggag aattccctag ctggagaagt caciaaagact ataggcaata atggagacca 480

```

gtcccacaag atgacaacca gtcgttgtgt gcggntgatg ttaatcagca tgg 533

<210> 548
<211> 295
<212> DNA
<213> Homo sapiens

<400> 548
ccatgtatgt gcatgcatat acactctaca gtgctgttag accttttggc tgcagtttca 60
tgttagggtc ttacagtgtg aatgacgggt cgcaactcta catgattgac ccatcagggtg 120
tttcatacgg ttattggggc tgtgccatcg gcaaagccag gcaagctgca aagacggaaa 180
tagagaagct tcagatgaaa gaaatgacct gccgtgatat cgttaaagaa gttgcaaaaa 240
taattttacat agtacatgac gaagttaagg ataaagcttt tgaactagaa ctacag 295

<210> 549
<211> 195
<212> DNA
<213> Homo sapiens

<400> 549
tgctgttcgt gatatgagac agacagtgtc ggcggtgtc atcaaagcag tggacaagaa 60
ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa gctcagaagg ctaaataaat 120
attatcccta atacctgcca cccactctt aatcagtgtt ggaagaacgg tctcagaact 180
gtttgtttca attgg 195

<210> 550
<211> 497
<212> DNA
<213> Homo sapiens

<400> 550
ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgtcag gccgtgtcgg gcttcagtca tctccaccac acagggtacag 120
cagcgctttc tggtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatctt caacatgtcc acttcactgc gggagaccat 240
gattctgatc aggaccttat ctgcgctccc cttgcccttc atggagtcac acagccgac 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgcttcc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcacatgatc tgatccactt 480
gggaacatca gttcctt 497

<210> 551
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 223, 414
<223> n = A,T,C or G

<400> 551
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120

```

actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt ganatgatgg ctagctttgt 240
ttaatgtctt atgaaatttt catgaacaat ccaagcataa ttgttaagaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctctacag 360
cttttcatgt aaatttagtac acgtgttctt aacaattatg cttggattgt tcanaacacg 420
tgtattaaat tcatgtaagt ggaataaaaag ttttatgaat ggacttttca actactttct 480
ctacagcttt tcatgt                                     496

```

```

<210> 552
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 247, 288, 355, 377, 410, 414, 420
<223> n = A,T,C or G

```

```

<400> 552
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt gagatgatgg ctagctttgt 240
ttaatgnctt atgaaatttt catgaacaat ccaagcataa ttgttaanaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctntacag 360
cttttcatgt aaattantac acgtgttctt aacaattatg cttggattgn tcanaacacn 420
tg                                     422

```

```

<210> 553
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 436
<223> n = A,T,C or G

```

```

<400> 553
cctaagaact cactggcatt tgtttcaagg taactgaaca agaagctggt tggaattggc 60
agaagtcaga taataaaacca atcttacatg ccccttcttc ctctcttgag ctgttggtta 120
tattcaaatt aaatacacat tgtttctctc tgtagatacc tatgtactta atagattcta 180
gttagtaaac tgcacatgcc caataacttt gaggaaattt agtgaaaatg aagaaaaaga 240
gaaaatattt ctcttttagac ctgagggtat gtttaggctg gcccatagaa acaggtccag 300
ataaatttct aaaaaagcaa agtagatatt tatgaatagt attcaatgcc taggattaac 360
atctaaaatg actcagtagt actgctagcc agccaataaa atataaactc catttgtctt 420
anttatatag aactgngttt ccagcttaga aaaagtcaaa ccaatgactt ttagaacaat 480
ctactctcat tttttattca gcctcta                                     507

```

```

<210> 554
<211> 339
<212> DNA
<213> Homo sapiens

```

<400> 554
 cgcaggggct tctgctgagg gggcaggcgg agcttgagga aaccgcagat aagttttttt 60
 ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata gggtactaag 120
 atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaaat 180
 atgaagactt agaagagtag catgaggaag gaaaagataa aaggttttct aaacatgacg 240
 gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa 300
 aggactacag agccccgaat taataccaat agaaggga 339

<210> 555
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 555
 aaaaccaaca atgatgccta gtgagtatgt gtccacaggc cataacaggg tagaagagag 60
 acatcgtgca acccaatgag tagtgaaggg actgtgttgc ttgtgaagcg gtgtagtagc 120
 atttttgcag attcttggct gggtttagtg tactgatcta gaaaagctgt ttttctgctc 180
 ctttgtggaa ggcagttatg atcaggctgc atggacaaag caggtagagg ggcaccatca 240
 ggggctcttg cactattttc acctctaaat attacgtact cagtagtgcc ctgcttctag 300
 ggctctgaat acgggcttaa agtcatcttg tctgctgga atttgctgtg cagagccata 360
 agcctcccat tttgttagcg tcagctaggc caataggaac agaccgggac cttgtctcac 420
 actgatgata cctcacatgt tgaccggcta tgtgaactgc ctatttctta tgctggagtt 480
 ttgattttta actaaacgca aatctgtaga ttctc 515

<210> 556
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 556
 ctgtgccact cggccatctc tgtatgtgac tgtgatgttg gacatctggc agttcatggt 60
 gtctctgct tcaatgagct tccccgata tacctcaccg gtgttcgtct cacatgtcac 120
 aatgtggccc tcggcctcat gcagtacttt aatcggcaca ccaatagaca tcttggcagg 180
 aagagagttc ggctctggcc tactttt 207

<210> 557
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 557
 ggccgcccgg gcaggctctgg cagcgtctga tgtcgggcac agaggtgaca ccgcagcgct 60
 tgtactgccc gtccccaatg gagcgtgaca cctctagcac gcccaaaaca cgcccatccc 120
 tgacgtttcc tccagccttc tgtatcctca tccgctcttc atactgagtt ggattatgct 180
 ctttgcctgag gcttaaggct gcatgttttt gactctcctc attataacga cacaagattg 240
 cccgactatc tccgaggttg gcaatataaa gaatgttgct tacagccaga acacacgtgg 300
 cagtggaccc atctttccag gcaggcttct ggctggaagc ttgtttaagg aactcttcat 360
 cagtatgctt gaaagtgtcc aaaaggcatc tcttcacggg tttctctaca ctgattacat 420
 ctcttttagg aaattttctg attaagtttt gatgcaaatt ctgtgcagca aattttgagg 480
 ctgcaattcc t 491

<210> 558
 <211> 511
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 499

<223> n = A,T,C or G

<400> 558

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcactact gtgctgccaa 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagnaa ctctcgatgt 420
tacatcaaac attatgatgg cactctgggc ttggatataa tagccatctc tcagtccacc 480
gaattttctc tggccggcng tgtcccatac a 511
```

<210> 559

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 198, 253, 263, 279

<223> n = A,T,C or G

<400> 559

```
ccatgttctt cagaaagaac atgcctggct ttttcacgat ttgatcagtc ttcttagacc 60
ctgaacccca ccatgaaatg gcttccccag acacaaccgc agagagtatt gotttgtttc 120
tcagctaaaa tattttgcag atcttaattt cctgggtcat tgcattttt tttttttttt 180
ttaaagactg agtttaanaa ataaattatc ggccgggcga ggtgggtcat gcctataatc 240
caagcacttt ganaggccaa gnggggtggg tcacaaggnc aggagtttga gaccagcctg 300
g 301
```

<210> 560

<211> 218

<212> DNA

<213> Homo sapiens

<400> 560

```
ctgctgcagt tcactggaca aggattcgcc atcgacactg tgcttggccg cactggagag 60
gatgaaactc agcactgcc a tgggtggcct cactatcgct gactcaaact tggcgtcagc 120
cgtgagcttc aggatcttct cataatcaat cccctgtccc agcagctcct ttagtacctg 180
gctgcagagc agccgcaact tcacagagga catcttgg 218
```

<210> 561

<211> 436

<212> DNA

<213> Homo sapiens

<400> 561

```
aaaggcttaa tggcaataat caggggagga agaagagtat gtttatttta cataactgac 60
```

```

ggaaaaataa attcaacaaa tagtaaatag aatttaatat ggtctcatgc gccctgaagg 120
aggtggtgcc cgatttggag gggtaattgc tatgtccaag taatctccta tctggaactt 180
ctgcgactgc agggtcattg aatcatcagt cccctttctg ccagacatgg tgctgccaat 240
ctcottaact cgatagccag gtcttttaac atctgtaaaa acgattgcaa aattgaagtg 300
agtgcccttc tttctagctt ctgggtagac ttcttttact aagcttgta gttctttcaa 360
ggttgcatcc atccaagtgt agatctgcaa ctcgctggac ggtacatttc cccgggagaa 420
ctcgtccatt cgggtg 436

```

```

<210> 562
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 104, 254, 255, 317
<223> n = A,T,C or G

```

```

<400> 562
ttggtcttga actcctgacc tcgtgatcca tccaccttgg cctcccaaag tgctgggatt 60
acaggtatga gccaccgcgc ctggcctttt tttttttttt ttanacaggt tttggctctg 120
tcaccagggc tggagtgcag tggttcttaa acgggggtaa ttatgtcctc cattcccgc 180
aggagacacc tggcaatgtc tgggagacat ttttggttat taccctgaga gaggagagct 240
ccatgggcac tgannggta gaggccgggg tgctactaaa catcctacaa tgaccaggac 300
agcctccac gacaaanaat catccagccc caaatgtcag tagagccagg attccaaaac 360
cctggtgtta ggtataagaa ttgac 385

```

```

<210> 563
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 260, 355
<223> n = A,T,C or G

```

```

<400> 563
gcacctttcc ccaacaggaa cagagtcac cagccaatgg ggatgagtc cgggggtcat 60
cttacgtccc tgcaggatgc catgtgcgag actatggagc agcagctctc ctgggacct 120
gactcggacc ctgactgagg atggcagctc ttctgtctcc ccacaggac tgggtgctgct 180
tccagagact tccttggggg tgcaacctgg ggaagccaca tccactgga tccacaccg 240
ccccacttc tccatcttan aaacccttc tcttgactcc cgttctgttc atgatttgcc 300
tctggtccag tttctcatct ctggactgca acggtcttct tgtgctagaa ctgangctca 360
gcctcgaatt ccacagacga agtactttct tttgtctgcg ccaagaaga 409

```

```

<210> 564
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 245, 318, 334, 390

```


<400>	564						
cctgggtgat	tgaggatgca	atgagctgtg	atttgtgccac	cacactccag	cctggggcaat	60	
acagcaagac	tgtctcaaaa	aaaaaaaaaa	aaacccaaaa	aaactcaaga	atgtaatgaa	120	
tgatacccaa	tgtgcctttt	ctagaaaaaag	ttgccaaata	tatctcttgg	atctgctgag	180	
catgtcctct	gatacataag	gcaagcatgt	ttctacaccc	agtgttgatg	ccagttagtt	240	
ttcanaatcc	aaactgatgg	cagctactgg	tccttggggac	tgacatcctc	tgggaatata	300	
accttctctt	ggactganat	getgctgcc	gctntaaaac	agcactctgt	tctcaaaacc	360	
tcatggcagg	ctcctggtct	caataactcan				390	

```
<400> 565
ccaagaggaa tcaaaaacct gaagttagaa aggctcaacg agaacaagct atcagggctg 60
ctaaggaagc aaaaaaggct aagcaagcat ctaaaaagac tgcaatggct gctgctaagg 120
cacctacaaa ggcagcacct aagcaaaagat ttgtgaagcc tgtgaaagtt tcagctcccc 180
gagttggtgg aaaacgctaa actggcagat tagattttt 219
```

```
<220>  
<221> misc_feature  
<222> 249, 307  
<223> n = A,T,C or G
```

```
<210> 567
<211> 583
<212> DNA
<213> Homo sapiens
```

```
<400> 567
ctgcatttgg gggagagggg tagggattat cttcaaagca ccccgactct cttgatgaga 60
aggtcagagg tacactgggt tgtattattg cgacatccat aagggtgatct aggttgcttt 120
tccttcagca agggctttat ttatcagaag gacattacgc ttgacctcca aatttgqctg 180
```

```

acaatttact gatgagattc ataacctttg ggttgctctg gtattttgac atatttgctg 240
ggtttctgagc cacatcctgg aaagccacca taacttctgg atcctgcatg gctgcaagaa 300
cctctggatc actaagaatt tcattgagtc caggcattcc agccattcca ggcatgcccc 360
ctcccattcc aggtattcct ccgggaaaat taccaggcat tccccagga aagccacctg 420
gaaaagagcc atactgagct cctgactgtc gtctggncct ctctctccct ctgggctctc 480
tcattgctctt ctcgagcctt cttaactcgt tctattcttt ctttgatctc tcgctcttca 540
cgtttttcgc tcatactttt ttccgatgtt ctgcaatttt ctg 583

```

```

<210> 568
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 568
cctaagaatg cagacgggga gaaaaaaaaac caaaaccaa aaaaaagaca cctctccaat 60
tgctgggagg gcctgggaat aggtgaagat caaaccacag tgggagaaga gggtaaagat 120
gtgagcttca agcgggtaat gggcaagcca cacctcccag ttcctaggag ggaatcgcca 180
cggccgactt cagcattctc gtctttacta agacttacc atagagaact acagcaggaa 240
accgatttct tcattcatto tcttt 265

```

```

<210> 569
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 569
cgcgggacac cggtgttaga gggcggtcgc ggcgggcagt ggcggcagaa tggtggctac 60
cagggtattht agcctagttg gcaagcgagc aatttccacc tctgtgtgtg tacgagctca 120
tgaaagtgtt gtgaagagcg aagacttttc gccccagct tatatggatc ggcgtagcca 180
ccccttgccg gaggtggccc atgtcaagca cctgtctgcc agccagaagg cactgaagga 240
gaaggagaag g 251

```

```

<210> 570
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<400> 570
ctggagaagg acttcagcag cgtgaagaag tactgccaag tcatccgtgt cattgcccac 60
accagatgc gcctgcttcc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120
aacggaagca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180
cctgtgaacc aagtgttttg gcaggatgag atgatcgacg tcatcggggt gaccaagggc 240
aaaggctaca aagggggtcac cagtcgttgg cacaccaaga agctgccccg caagaccac 300
cgagg 305

```

```

<210> 571
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 216, 219, 240, 273, 326, 347, 351
<223> n = A,T,C or G

```


<210> 575
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 575
 aaatgagcgt aaaaggccct ctaacctatg caggtttccc cattatgcat atagaaaatg 60
 ctagtatgtt ttgctcactt catatgtaac aggtgccctt atgttgtgct gtatcctgtg 120
 ctttttctgt gggaccattc cattcaggag caaagagcac catgattcca atcttggtgtg 180
 tgtttactaa cccttcctg aggtttgtgt atgttgata ttgtggtgtt tt 232

<210> 576
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 576
 ctggcaattg gtttctgtga tgagtcgggc atcatggctg acaacgatca cagcaccctt 60
 gtattcattg atggcctccc ctagagcatc aatagactct atgtccagggt tattgggttg 120
 ctgctccaag atgaggacat caggttccc acaggccagc tcagcaaaca caactcgcgc 180
 cttctgacca ccagagagtt tgcagatctg gatggtgtgg gcgtagactct ccaggccgaa 240
 gcggcccagg cacttgccgg catcctggta gggcagggtg aagccccgct gcagggtactc 300
 agtgggcgct tcctccatgc gcag 324

<210> 577
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 577
 ctgaccagca ccatggcggg tggcaagaac aagcgctta cgaaaggcgg caaaaaggga 60
 gccagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
 gctatgttca atataagaaa tattggaaag acgctcgtca ccaggacca aggaaccaa 180
 attgcatctg atggtctcaa gggctcgtgtg ttgaaagtga gtcttgctga tttgcagaat 240
 gatgaagttg catttagaaa attcaagctg attactgaag atgttcagggt taaaaactgc 300
 ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
 tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggtta cttgcttcgt 420
 ctgttctgtg ttggttttac taaaaaacgc aacaatcaga tacggaagac ctcttatgct 480
 cagcaccaac aggtccgcca aatccggaag aagatgatgg aaatcatgac ccgagagggtg 540
 cagacaaatg ac 552

<210> 578
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 578
 cctgacagac agaagggtt ggagattttt tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cgatttgaat atcttcaggt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
 atcctgggga catactgg 198

<210> 579

<211> 457
 <212> DNA
 <213> Homo sapiens

<400> 579
 ctgccttggga gtcgcccctca gcagagatga tggccgcctt ttctgttget cagccttttc 60
 caccacaaat ctggccctct ctgcttcctg ctgagccacc tgtttggett ccaccgett 120
 tgtgaactcc ttcccgaagg tcagatgtgt caaggacacg tcatccagga tgagcccaaa 180
 ggtggcgget cgctctgtaa ggtcgtcgt cactgcctg gagaccagct ctctctgggt 240
 gattagtctt ccagcatcaa agcgagccac cactgacttg aggatctcag ttgtgatgga 300
 cggcagcaca cgctcatcat agtcctctcc gatgctgggt aagatgagag gaagctggct 360
 ggcgacagge cggaagagga tgcgcagtgt gatgttgaca ttctgtaaat ctttgctacc 420
 agtgatgact ggcacattac gtggtcgaga acggcag 457

<210> 580
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 118, 147, 150, 151, 202, 341
 <223> n = A,T,C or G

<400> 580
 ctgatatctc ctctngctat cctcaaaactg ccactcttaa ctcttgaagt aaataaataa 60
 tctttgctgg caggactatg ctgaacctcc ttaggcactc tctaattaga tgcctangt 120
 cctcccaatt cttagtcctt ttatatntgn ntttctcctt ctcttattcc atttagtttt 180
 tcaattcata caaaaccgta tncaggccat caccaatcat tctatacaac aaatgtttct 240
 tctaacgtcc ccacaatatc accccttacc acaagacctc ccttcagett aatctctccc 300
 actctaggtt ccacgcccgc ccctaattccc gcttgaagca nccctgagaa acatcgccca 360
 ttctctctcc ataccacccc ccaaaaattt tcgctgcccc aacacttcaa cactat 416

<210> 581
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 581
 ccaaagggcc aaaacaatta agaacacagt ttgtgtcaat gtggagttaa ctgcagaaca 60
 gtggaaaaag aagtatgaaa aagaaaaaga aaaaaataag atcctgcgga acactattca 120
 gtggcttgaa aatgagctca acagatggcg taatggggag acggtgccta ttgatgaaca 180
 gtttgacaaa gagaaagcca acttggagc tttcacagtg gataaagata ttactcttac 240
 caatgataaa ccagcaaccg caattggagt tataggaaat tttactgatg ctgaaagaag 300
 aaagtgtgaa gaagaaattg ctaaattata caaacagctt gatgacaagg atgaagaaat 360
 taaccagcaa agtcaactgg tagagaaaact gaagacgcaa atgttggatc aggaggagct 420
 tttggcatct accagaaggg atcaagacaa tatgcaagct gagctgaatc 470

<210> 582
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 582

```
<210> 583
<211> 422
<212> DNA
<213> Homo sapiens
```

```
<210> 584
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<210> 585
<211> 214
<212> DNA
<213> Homo sapiens
```

```
<210> 586
<211> 644
<212> DNA
<213> Homo sapiens
```

```
<400> 586
aaattattttc catagtctta aaaaatatgt aatgtcagaa tgcataataa aagaatgtaa 60
aaggaaacct aaaatacaaa tggaataatg taacaaataa atattttgatt tcagtaactg 120
ttaataatca gctcaacacc accattctct ctaaactcaa ttttaattctt ataggaataa 180
tgaactgtca aatgccatgg cataattatt tattttccaag ctatcatcaa tgattagaac 240
taaaaaaatt ttggcataaa aaaatcacaa ttcagcataa ataaagctat ttttagcttc 300
```

```

aacactagct agcatctcta agaattgttg aaataagtac tataacottg aaaattttcg 360
acctgggtgtc tagtggttaag tgaaagtaat gcattttttt taagtgaaaa gcttcttaca 420
ttatttcaca gacagtatta cccacccac attatgaata gttagatata ttttatgtac 480
tttataccca catgtatgac gcatgacatt tggttcctgt agtacagatc acaatgttgt 540
tttctgaat gggaaaaact taaaaaaaaa aaaaaaaagg gaagtgtacc tgtgcacatt 600
tcaagatagc agcactcagt ccatgcccta ttatccatct taaa 644

```

<210> 587
 <211> 162
 <212> DNA
 <213> Homo sapiens

```

<400> 587
ctggcaagtc cacaagccct gctggggccc tgcttgttgg cctgaccct ccctcaccag 60
gcagccagcc aagggtggttc ctgcttcacc cactcagtca tcagcctcag gctgccccaa 120
atgcctctga caccagattt atatcttctg ggcggcttct tt 162

```

<210> 588
 <211> 438
 <212> DNA
 <213> Homo sapiens

```

<400> 588
ccagggtgcc acaaacccaa agcaaagttt caaaataata taaaatttaa aaagttttgt 60
acataagcta ttcaagattt ctccagcact gactgataca aagcacaatt gagatggcac 120
ttctagagac agcagcttca aaccagaaa aggtgatga gatgagtttc acatggctaa 180
atcagtggca aaaacacagt cttctttctt tctttctttc aaggaggcag gaaagcaatt 240
aagtggtcac ctcaacataa gggggacatg atccattctg taagcagttg tgagggggta 300
gagatgggac aaaattttgg tctcagaggt cttaccatct taatttggta acttctaatt 360
aaaaaaataa aaaatagaaa taacattatc caaagatatc ttaaagctga aaacttgaac 420
agcacatttt ttgttttt 438

```

<210> 589
 <211> 150
 <212> DNA
 <213> Homo sapiens

```

<400> 589
ctgttgacgc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
ggtttttgcg ctatctcagc agacctcact tgcccatgg ccttcatggc gcgtccagg 120
octcagaccc ttctctgtgt tccgtcctgg 150

```

<210> 590
 <211> 99
 <212> DNA
 <213> Homo sapiens

```

<400> 590
aaagaaatat aacgtagaat accaagaata ttgcaaagc aaaaacaaat ataaagctga 60
aattctcaaa aaattggagc atcagagatt gatagaggc 99

```

<210> 591
 <211> 363
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257, 294, 306, 352, 354, 359

<223> n = A,T,C or G

<400> 591

```
cctggccgcc aggcagaatg acaccccaag ccaggcggtc gaggggctgg ggcagctctc 60
ctaaaatgac cctctgccaa tgacaccaca ccctcagtc cttcacacag aacgcggtaa 120
tttctgtaac ttgtttcctt acccccaga agcagcaatc accccatcag caaagttgcc 180
ggcaggcaga gctcccaatt tgggctttcg gtgtgcagcg ctccgtgtct aaccagcaca 240
gggactgtcg gtacctnctg gggacgggga caggacaggg ccctcatgtc cttncaccaa 300
atcttncaaa ggcccccggg aaaaagccgt caatccggga acagccacct tntngcctnc 360
tgg                                     363
```

<210> 592

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 375

<223> n = A,T,C or G

<400> 592

```
ctgggtcacc acacggcggt ctacctcatg tttgatggag cgggcgccat agtgcacatt 60
gtagccgtcg accagcacat ctgccacctc gcggtcccag agcagcgtag tgttgtgctt 120
ttgcttggtt ctcttgcccc agaagtttag ttcttgtgtg acgagttgga tgagctccga 180
gtggcagaag ggggaggaag tagacgatct cattgatccg tcccagaaac tcatccctcc 240
ggaagtgagc tttcaggata gggcgaatca cattctcctt gaagttcttt gagatggtag 300
tcttgtcact tatctggaca tccccaggt tttcggcaat acggttacgg tcatctccaa 360
agcttctctg ctcan                                     375
```

<210> 593

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 196

<223> n = A,T,C or G

<400> 593

```
cctcgctgtg tgagcgccga gcactccagg tattttacag caccaatctc cttagccatg 60
gctagacctt gcggataggt gatgggagtc agcttcttct ccttcagttt ctcgatcgtg 120
tctttatcat ccctaagatc aagtttagtt ccactagga tgatgggagt gttgggacag 180
tggtgccgca cctcangata ccactttgca cggacatttt caaatgatgc aggactcaca 240
agggaaaagc aaattaagaa cacatctgtt tgcggatagg atagggggcg taatctgtca 300
taatcttctt gtccag                                     316
```

<210> 594


```
<220>
<221> misc_feature
<222> 345
<223> n = A,T,C or G
```

```
<210> 595
<211> 348
<212> DNA
<213> Homo sapiens
```

```
<210> 596
<211> 120
<212> DNA
<213> Homo sapiens
```

```
<210> 597
<211> 578
<212> DNA
<213> Homo sapiens
```

```
<400> 597
aaacaaattg cagagaatat agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tgggtacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatattt ctgaattttt aagaatgoot aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatcog caattttata 240
ctctacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
ggcttttgta aagaagtcca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360
```

```
<210> 598
<211> 169
<212> DNA
<213> Homo sapiens
```

```
<210> 599
<211> 513
<212> DNA
<213> Homo sapiens
```

```
<400> 599
aaatgattta agttcatttg ttctcaacct tggggtaaac tgagggtattt tgcttcctgg 60
gaagatcttc gcaattttga gtgctcctgt ggggagcggg gatgagctaa agatacaatg 120
tttccctgcc ccgcacccgt tccacaaaat agcaatgtgg ttttgcacgt ctgactttctg 180
ctcccagtaa cccatcgtta gggcactcta gcactatgga ggtacccaag gctcagccag 240
tctctattta agaaaattta acaaatacga gtaaccctgt cccaatcact gaatctctag 300
ttactactct tagaaacacc tgtggcttct tggccctcct gttgcccgct ctgaatctct 360
ctgcagtcta caaaatcgcc ccagtcaact ctccacttgg aggggaattgt ccagtgtggc 420
ccctagaatt gagtcacccc ctanatacca actgtctgac ccgcaggagc totgtaagtc 480
cctgctctct ctcttccctt tggggctggg gct 513
```

```
<400> 600
ccagggtgct tttggaaaca tgtgtcgttg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgccgttgg catcgtagag tgaacacaac caaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggtcac gtctaaaggt catcgatttg aggaagtcc 180
tgaacttcct ttggtagtgt aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgcctctt aagaaactta aagcctggaa tgatatcaaa aagggtctat cctctcagcg 300
aatgagagct ggcaaaggca aaatgagaaa tcgtcgccgt atccagcgca gggggcccg 360
catcatctat aatgaggata atggtatcat caagg 395
```

```
<210> 601
<211> 309
<212> DNA
<213> Homo sapiens
```

```

<400> 601
tgacagttga attgacactt ttattggggc agaatggaac agtccaagaa tgtagatact 60
gattctttct ccataaatgt tcttatagtg tgttcatcct agagttattt ttttgtttgt 120
ttttttcctt tttggatctt gattgataac tgccatgata ttttgctttg atgtgtttct 180
acatgtagtt gcacacgggt cagtaaaaat aatgctgcta tcgagtatgc aaatattgaa 240
gtatgatggg ttgactgtat ggcagtgttg tagcagcctc ttgttttttt ccccatgtgc 300
tctttttttt                                     309

```

```

<210> 602
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<400> 602
gagaagggca ggatcagaag ggaccttggc acagcgacct catcccccaa gtggacacgg 60
tttgccctgct aactcgcaaa gcaattgcct gccttgctact ttatgggctt ggggtgtgta 120
gaatgatttt gcggggggagt ggggagaaag atgaaagagg tcttatttgt attctgaatc 180
agcaattata ttccctgtga ttatttgga gagtgtgtag gaaagacggt tttccagttc 240
aaaatgcctt atacaatcaa gaggaaaaaa aaattacaca atttcaggca agctacgttt 300
tcctttgttt catctgcttc ctctctcacc accccatctc cctctcttcc ccagcaagat 360
gtcaattaag cagtgtgaat tctgactgca ataggcacca gtgcccaaca catacagccc 420
caccatcatc cccctctcat tttataaacc tcaaagtggg ttcactttct gatagttaac 480
cccataaat gtgcacgtac ctgtgtctta tctatatattt aacctgggag actggtgtcc 540
tggcatggag atgaccatga tg                                     562

```

```

<210> 603
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 340, 410, 419
<223> n = A,T,C or G

```

```

<400> 603
atttccctgtg ctagagtcca atatttgagt ctctcgtgca aatgagacta ttctttgtgg 60
tacaattcca cctatcatat gtgaaaactg cagtaaaaat aaaccacagat gctaaatcat 120
tctacaaaag gtttgactga aactgtggca gatgtctcat cttctttata tgtaaagcag 180
catactcttc tgatttttat tgcaatcttt taccaagtgg tgcacaaact tgggtattgat 240
gtctttatct cattttgagt ttagattgag aatattttta ttttctgaag gcagagatat 300
ctactgtata attgcaccaa agtacatttg aaaggaaggn tttcaatagt gtaatactgc 360
agcgatgtag ataaaatcac aaatgtataa tgtgttaggt tgaataaggn gtggaaaant 420
gcttttctgt tagtag                                     436

```

```

<210> 604
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 604
ccttttttgg caggtgggtg gtgggtggcct tggtatgtgc tttctcgtgt tacatcgogc 60
catcattggg atatgggttag tgtgttgggt agtaggaaaa aaaaagtatt cagcaccatt 120

```

```

tgctcatagg tctttcagag tttgttctta aagtttctgg aacttttctg tctgtaaagt 180
aacaggaatt actgagctac attggaaagc ctctctggga caggcagtgg ggagttaagc 240
agtcatacata aaggaatcag tgtacattca gcatgggtgac ttgactacac aacaatccct 300
tccccctctac tgtagctcaa gagagacatg cttctaacca ctgagggtatg aggagtctca 360
gactgttatt tgctgttaga attgggtcttc ccagctaata acagtacatc tctggcacag 420
atgctattgg tccttaatgt cctgtgattt taggaaatag tttggattta gttcaattta 480
ttcagaaacc aaacgtgttt aatta 505

```

```

<210> 605
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<400> 605
aaaaggtgac tagacatact tggaagttca aagcagtagg atgtagcttg cagggaaaag 60
aaaacccttt tccatgttgt taggcagaag tatatcaa atatcccaat tccacttgat 120
aaagtcagtt ggatgacctc cttgaaccaa tctagggcag aacacttagt aaaagcgggc 180
cctgggtgggg atgtgaatcc aggagaagag gggcaccaga tcccatgcag cgccaaacac 240
atccattcca cctcctaaca catacgaggc atgtcaccac atgtccctgg acacaagatc 300
cacaagaaca gtcagcagat ggtcactgct cccacggcct ggtgctttct aatgggtctta 360
attcaggcca tggagaaaat cttttaccac caaacacaaa ctgtcattga acttcag 417

```

```

<210> 606
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 225, 258
<223> n = A,T,C or G

```

```

<400> 606
ctgactgttg agagagcagc acatcatttt atcattttat cttcttttga ctacaggttg 60
ggtgggaggg atttgggttg gtggattaac agatggaatt gaggagagag taggatgctg 120
attttcctac ccgtggccca ggtctgtgcc ttcccatgc caaggactct aggtcaaatg 180
tcaataaata tgaacctcga gaaagtctg aaggccatga aatanaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaagctn 258

```

```

<210> 607
<211> 92
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 76, 78, 83, 85, 87
<223> n = A,T,C or G

```

```

<400> 607
aaataaaagt ccagctataa ggaagcagtc tgtgcagtgt gtgggtgagt ggatgggaac 60
gtgtgtgtgt ggtgtntntg gtntntntgt gt 92

```

```

<210> 608

```

<211> 489
 <212> DNA
 <213> Homo sapiens

<400> 608
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagtgc attaaagttt tggaaattct cagacagtgc agtgggatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcccaggt aactgggact acaggtgctg gccaccaagc 360
 ccagctcatt tttgtatttt tagtagagat ggggtttcac gatgttggct aggatggctc 420
 cgatctctgg tcagagtctt ttctgtaaat atccttggtg aagaagcaat tttagactgt 480
 agctgttgc 489

<210> 609
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 609
 cctcggtgtg tggagggcaa aggtgacagc atcatggaca gaggcaaaga gatgcttctt 60
 ggtgatggat gcatcgaaga agtgcccagc ctcaagetgg ctgaccacag ggctgtggca 120
 ggccgccatg tacacctcca cctcaatctc ccggaagtca tggaaaatat tcttcaggct 180
 cttgaggcac acagtgtcca caaaggagag ggcacccagg tccaggatga ggctgtggaa 240
 gtctggctga ggcaggccca gggccttcag tgtggacca tctggggcct tggagtcttc 300
 ttgaccattg gctgttgcac cttccatctt atctcctgag ctaccatca tcttgcaagc 360
 ctcaacgttg ttgctcctca tgtcttcaag gctg 394

<210> 610
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 610
 ctgaaaatcc atcagtgcc aacatccaat gaacctctat tcaagtgtac ccaggaagga 60
 tgtgggaaac actttgcac acccagcaag ctgaaacgac atgccaaggc ccacgagggc 120
 tatgtatgtc aaaaaggatg ttcctttgtg gcaaaaacat ggacggaact tctgaaacat 180
 gtgagagaaa ccataaaga ggaaatacta tgtgaagtat gccggaaaac attt 234

<210> 611
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 56, 66, 67, 80, 124, 206, 211, 255, 257, 268, 275, 297,
 332, 348, 362, 370, 377
 <223> n = A,T,C or G

<400> 611
 cttttttttt tttttttttt tttttttnga aaagtcattg aggcattggg gttggnttga 60
 aaccannntt ggggggttcn attccttcct tttttgtcta aattttatgt atacgggttc 120

```

ttcnaatgtg tggtaggggtg gggggcatcc atatagtcac tccagggttta tggaggggttc 180
ttctactatt aggacttttc gcttcnaagc naaggcttct caaatcatga aaattattaa 240
tattactgct gttananaaa tgaatgancc tacanatgat aggatgtttc atgtggngta 300
tgcacgggg tagtccgagt aacgtcgggg cnttccggat aggccganaa gtgttgtggg 360
anaaagttan atttacnccg atgaatatga tagtgaaatg gattttggcg taggt 415

```

```

<210> 612
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<400> 612
ccactttact aaacatgaaa atgttgcccta tatgttgctc cacagtgatg gatctgcggg 60
tcttcatcat cacaatggca ctgagaaaca tcaggatctc cacttctctt cagtcaaagt 120
cacacggggtt accgtcttcg cgttgggtgg gcagaccgtg gcagagcggc ggcagtttcc 180
tcacgagtag gaaggcagca gagagcaggg ccgacagaag gtagtaagggt tgggcgagcc 240
atcgtgaaag tcgcggcacc gaatacacga gagcaattag aggtgccaaag accgccatct 300
tttcggc 307

```

```

<210> 613
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<400> 613
ctgcctcccg gcagtcagg aaaactgcaa aaaatgggaa gtaaggctcct ggcaggcaga 60
ccggcatgt agccgtggc catcttgaat cctagggcat gaagttgcc caaagttcag 120
cacttgcta agcctgatgc ctctgggtta tcacaaagaa taggatggga taaagaaagt 180
ggacacttaa ataagctata aattatatgg tccttgtcta gcaggagaca actgcacagg 240
tatactacca gcgtttggat attgatatat acatggcaaa tctgaatatt gttttatgag 300
agg 303

```

```

<210> 614
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 614
cctccagcca ggagtgcac aacgtgcttc tgcagtacgg ctgccccgac gagtgcgtgt 60
agtatctgtt ttatttgact gcagtctcct tggtgcaaaa acaaaatggg aaaaataagg 120
ataactcaga atttcaaaa gaaatcacia attcagctag taatagcatt ttcagtactt 180
ttcgtaaact aagtaaatac acaaaatggt gatttttctg accataagac atattttatg 240
tccttttgcc aagggtggat tgtagtctc aggcctcct gg 282

```

```

<210> 615
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 615
ccacaccttc caggcacttg gcctgatgcc ccgccctggt gctctcccca ggctccctcc 60
tcagcctcct gccacccag ggccctttac tctcttctcc ctccagacct tctctgacc 120
cttgctgaac tggggctcct ttgtgagtgt ctcagtctag aggtacctcc ctccctgggg 180
ggctctcagct cctggagtcg caggcccttg gggccctct gtgagatctc aatgctgtct 240

```

```

ggggacccta agagttttct cacctgttca gtctcatcta accttccaat gtctgatgtt 300
cctgccaaat tcctgcctga ttctgggtcc gtcttgacct ccaaagggtca gcttgggtgct 360
tgagggtctcc ctgctcttgg tggcagtggt agcagcaaca gcagcagcag cagcagcagc 420
agcagcagag acctctccac tttcccttaa ccctctgctt gggtagag 468

```

```

<210> 616
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 315
<223> n = A,T,C or G

```

```

<400> 616
ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtagggc 60
aaggcaatat cctgtctctg tgcattgctg cggttggtca aaatggtgac aatgggtgacc 120
tcatccacac ctttggtctt gatggctggt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtag aggctttgac agaccatat gcaactgggg gtgtagagtg atcacocctcc 240
aagctgagct tgcacaggat ttcgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct ganancgtc 319

```

```

<210> 617
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<400> 617
cctgcaccag ctcttggtg gtaaacactc tatagagctc ctctgggtgac gtcaggaagg 60
tttcccttaag agtgatctta caagtgggga ttttgactcc aacagggtctg gcctgggttt 120
ttgaaggagc aggcttagcc ttgcgctcct cagttttcag tgctggctgc cccaactgggt 180
ctactgactc tccattcatt gtaggtaaga tcatgccctg ggtgaactct gttttgaggg 240
tgctgatgta aattccatt gcttctctta gaagtttcac cccttcttcc ttcattaagg 300
ccacgagatt tgtgtcaggc tcatctttgg caaggctcac actaatctcc acttcatcca 360
cgctgttttc atcagacaaa ttggggatct ccacatgtcc tttgta 406

```

```

<210> 618
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 618
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tcgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaactc gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggcccca aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tcgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
caccgaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctg 485

```

```

<210> 619

```

<211> 386
 <212> DNA
 <213> Homo sapiens

<400> 619
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaa 386

<210> 620
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 620
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccattggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat ccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta noctctttgc 360
 ttcttcaactt tctctctcat catcagatcc aaagaggatc atgtcatcat catctttact 420
 atctgtagct ccacttcctg tagtg 445

<210> 621
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 300, 308
 <223> n = A,T,C or G

<400> 621
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
 ttttgtctgc tataagcggg gtctccggaa ccaaaggagg cacacagctc ttotaaaaat 120
 tgaagggtgtt tacgcccagag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcac 240
 ctggggaaaa gtaactcggg cccatggaaa cagtggcatg gtctgtgcca aattccgaan 300
 caatcttctc gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360
 tt 362

<210> 622
 <211> 352

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20, 86, 141, 218, 242, 296, 301, 321, 337
<223> n = A,T,C or G

<400> 622
cctgctggga acgggacttn ctaaaaggaa ctatgtctgg aaggctgtgg tccaaggcca 60
tttttgctgg ctataagcgg ggtctncggg accaaaggga gcacacagct cttcttaaaa 120
ttgaagggtg ttacgcccga natgaaacag aattctattt gggcaagaga tgcgcttatg 180
tatataaagc aaagaacaac acagtcactc ctggcggnaa accaaacaaa accagagtca 240
tntggggaaa agtaactcgg gcccatggaa acagtggcat ggttcgtgcc aaattncgaa 300
ncaatcttcc tgctaaggcc nttggacaca gaatccnagt gatgctgtac cc 352

<210> 623
<211> 377
<212> DNA
<213> Homo sapiens

<400> 623
ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgctt acgggtgagc 60
actgaagtat acattgtgcc aatgtaatta ttgtcttgga gaccttctag aacttgctaa 120
atcatatagc aagaagagaa tgagttcagg cccagtaaat ctggtgagtt aatttacatc 180
tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtaataa 240
ataaataaat aaactttgga caatgccttt acttgtgccc tatatacaga actattccat 300
agaattttcc aggatttcaa gatactacac aaagaaaaaa actgtaaagc aatttggtcc 360
tttccaaatt tcagcag 377

<210> 624
<211> 260
<212> DNA
<213> Homo sapiens

<400> 624
ctcgtcgtctg cagcgacaca cgccctcgcc gccgccatga ctgagcagat gacccttcgt 60
ggcaccctca agggccacaa cggctgggta acccagatcg ctactacccc acagttcccg 120
gacatgatcc tctccgcctc tcgagataag accatcatca tgtggaaact gaccagggat 180
gagaccaact atggaattcc acagcgtgct ctgcgggggtc actcccactt tgttagtgat 240
gtggttatct cctcagatgg 260

<210> 625
<211> 441
<212> DNA
<213> Homo sapiens

<400> 625
ccactgcaga tggaaacctc tcagtgtctt gacatcaccc taccagggcg gtgggtctcc 60
accacagcca ctttgagtct gtggctccctg gaggggtggct tctcctgact ggcaggatga 120
ccttagccaa gatattcctc tgttccctct gctgagataa agaattccct taacatgata 180
taatccaccc atgcaaatac ctactggccc agctaccatt taccatttgc ctacagaatt 240
tcattcagtc tacacttttg cattctctct ggcgatggag tgtggctggg ctgaccgcaa 300
aagggtgcctt acacactgcc cccaccctca gccgttgccc catcagaggc tgcctcctcc 360

```
<210> 626
<211> 476
<212> DNA
<213> Homo sapiens
```

```
<210> 627
<211> 607
<212> DNA
<213> Homo sapiens
```

```
<210> 628
<211> 278
<212> DNA
<213> Homo sapiens
```

```
<210> 629
<211> 329
<212> DNA
<213> Homo sapiens
```

<400> 629

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 528
<223> n = A,T,C or G

<400> 633
ctgttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
ctgttgctct ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
aattgtagcc ttgatgagag aatccaattc ttcattctcca cgaatagcaa gttgcaagtg 180
acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgccg gttcaagtac 240
ctctgcgggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgccccacag 300
tccatgactg gtcgtcctag attttaggtg tcgatgaata cgccccactg ggaactgcaa 360
gccggctctc tgcgagcggg aaaccgcctt tgtcttgccc tttccggagt cctttccagc 420
cttaccgccg gccatttcga attccgctga agctcaagca agcaaggcag agaaaaggct 480
aatcggaccc acggtgagat cccaccacct actccttcgt cgcaccgnga cctg 534

<210> 634
<211> 500
<212> DNA
<213> Homo sapiens

<400> 634
ctgactgggt cctttaccac ggtttgcaga gtagggtgtg tttgaacacc ttctgtgggt 60
ctgtgtcatt tccaagttga agaatttcag ccaaagagca acatgtcaca ttgattaaag 120
atgggttaat acacagaaac atttctgtta atactaaggg aaaaggctgt tcttttattt 180
atttattttt cctgagtcct cacttttttc ttctctgaca aatgtttgaa attcagttaa 240
ataccaaagg agtcaaggat gaaggggaca caggatggaa tcagaaaaaa cataaatgga 300
atccaggcag ttctatgaga caacactgat atatctcctt gataaagaaa aaatgtacag 360
aatattttaat gagtctgtct tgccccaaaa gggaaaaaca caagtagcta agccatttgc 420
agagaggaaa aatgtcatgg aaaaatgaaa aatctctcta atgtctatag cacatgaaat 480
atctaagtag gtgggtgcag 500

<210> 635
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499, 518, 527
<223> n = A,T,C or G

<400> 635
aaaatcttat tcaaaatatt aaataatagt ttcagatatg aaaaaattac tgcaataaaa 60
cggttcaggg gtatttccat tgcgcttccc ttccctatta ggaaagtaca ctgtccgccc 120
aagagacagg atggacggcc ttcttccagc tctacataaa gcgcaagccc actggctcac 180
ccgggtcctg cttaacatat attagggcta tgttttctaa aaagctgtag tgacacttgt 240
aagtcaacca tggttcaaat cacatattta catattgatc aattctttat gatagaaaga 300
cagacataaa tgaatcccat agtaaatact ttccagttgc cataaaaaac aaaaacaaag 360
aaaacaagtg tgggggaaaa aaggtaattg tacacaaata tcttttatgt atacaaacaa 420
cttcattcag gtataatttt aatttgaaag acctaggtac agtattattt aagtgataat 480

gaccocctaag atttattcna atttactgta aaataatnaa cgaagtnaac gaatctgata 540
taatttt 547

<210> 636
<211> 185
<212> DNA
<213> Homo sapiens

<400> 636
gtcgaagcga ggacgtggtg ggtcctctgg tgcgaaattc cggatttcct tgggtcttcc 60
ggtaggagct gtaatcaatt gtgccgacaa cacaggagcc aaaaacctgt atatcatctc 120
cgtgaagggg atcaagggac ggctgaacag acttcccgct gctgggtgtgg gtgacatggg 180
gatgg 185

<210> 637
<211> 215
<212> DNA
<213> Homo sapiens

<400> 637
ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaagggag gagttttctca 60
aacggtttta atcggtttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tggggtcccc tgtggctccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttgcg tcaccataaa aaaccgcgcc gccgc 215

<210> 638
<211> 350
<212> DNA
<213> Homo sapiens

<400> 638
aaaaaagaaa agacagtgaag cagaaactgc tacctaagga ttctagaggc aatgagacac 60
agagtcctgt ttttcaggac agaccgtatt gcccaagcct ctagcattta cggagcataa 120
attaagaatc ttgttttgcc ttgagtcctc ccatgaaata atgacacggg agccacattt 180
gctgagggcc taatatgtac caggcattgt gctaaagtag ttcatatcca tgtctcattt 240
attccgaact tttttcctca gggagagaaa aatcaattac agtcttggtc ataggaaaaa 300
ccaaacttac aattttggga aagcaagaac atgtacagta gaggaggagg 350

<210> 639
<211> 328
<212> DNA
<213> Homo sapiens

<400> 639
aaagctttga aaagctacta cttttacttc taatacatcc agatgaacac gatgtagcaa 60
tatcagcttg tattccagag aaatctcatt agttttttctg gtgatggaac cacttatcca 120
cgtctgttgg tactgtgcag gcagattcac aggggtggtgg taaagcatcc acaatggctc 180
tggcagcatc aggatcacac ttgaaggggc tctcagacaa agttgtattc atgcaactga 240
ttccttttcc attcgttttc ttagtcacta atgctttcca atggtcatga gtgcttttaa 300
taatatcaat ggcaaagtcc ttatcttt 328

<210> 640
<211> 453
<212> DNA

<213> Homo sapiens

<400> 640

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ccacaggtgc ctgactagga gcccctaggt cccagggctt gagaaagggg taaaatagaa 60
cctccaggta gttttcttcc tctacctcca catcccccca agactgaaaa gagtcactaa 120
ctctcttttc ccaagccttt tataaaactg caggaacact gtggagatgg ttctatctg 180
gggtcctttt ggggacatat gcctcagtca gtcattcagt gattgatcca aaattattta 240
ctgagtgcct acctactctg cgccaggctc tctagcctct cactactgag ttaggggtgca 300
ggcagaggct ggggcagaat gtttacagcc agtgccagca caaggtagta atctagtgc 360
agagaacagg gtgttatggg gagcatatga gaggccatct atcccagcct ggggtgacct 420
ggagagtttc ccagggttgt gatatgtggc agg 453
```

<210> 641

<211> 485

<212> DNA

<213> Homo sapiens

<400> 641

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cctgctgggc ttggcaacga gggactcggc ctcgaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcaca agtcatcatg 120
gcttcagcgt ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtctc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg tcacccaggg actagtctac caaggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagtgtc acttgctggg ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggg 480
tttgg 485
```

<210> 642

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 13, 16, 17, 267, 270

<223> n = A,T,C or G

<400> 642

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ncatgctacg canagnnaga tggcgcccg gtaatggctg ggaaagtgga gatgacattg 60
gaaatcctca acgagaagga ggccgacgag aggccagccg ggaaggggag ggacgaaccc 120
aacatgaacc ccaagctgga cttaccaa atcagagaaa cctccttct ctgggttcacc 180
aaccatgca agaccatgaa gttcatcgtg tggcgccgct ttaagtgggt catcatcggc 240
ttgctgttcc tgcttatcct gctgctnttn gtggcc 276
```

<210> 643

<211> 305

<212> DNA

<213> Homo sapiens

<400> 643

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cctgctagaa tcaactgccgc tgtgctttcg tggaaatgac agttccttgt tttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttctccaca caccttcatt 180
```

ttgaagttcg ggtttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
acttt 305

<210> 644
<211> 517
<212> DNA
<213> Homo sapiens

<400> 644
aaaagtattt tctctacaga gaatcttata agctatacaa aaatctgtac agtttttata 60
ctgaagctag tattgagctg cacttgaatt cacattctta gcaaaaataat tgcctgagca 120
cacacacaca ttccacacgc atcattaaag gatagccatt tattcttcat ctccatcctc 180
ttcctectca tcttcatctt cttcttctc ctctctctcc tcatcttctg gttcgttctt 240
cttctttgag cctgttgagg tgccagggcc cttctttcct gcttcacttt tgccttggc 300
acgatatgca gcaatatcct tttcatattt ctcttttagc ttagctgctt tctgttcata 360
tggttgttta tctttggctg actgctcaga ccacatttca cccaatttct ttgcagtatc 420
cccaatggat aggccagggt gttcactttt gatctttggg cgatgttcag agcaaaacag 480
gaagaaggca gatggtggcc ttttaggagc attgggg 517

<210> 645
<211> 484
<212> DNA
<213> Homo sapiens

<400> 645
ctgtatggag cctacctccg catccacgcg cacttcaactg ggctcagata cctgctatac 60
aacttcccga tgacctgcgc cttcataggt gttgccagca acttcacctt cctcagcgtc 120
atcgtgctct tcagctacat gcagtgggtg tgggggggca tctggccccg acaccgcttc 180
tctttgcagg tcgaaagggg caaggacccc cttttgtccc tttgatcttt gtgggtgggtc 240
aggggtatgt tggggattaa ggcattgagg tccctgattgt tagtgaggga agtcagtcct 300
ggctgctcag tagtttttcc tccacagggt aacatccaaa aaagagacaa ttcccggag 360
gaagtccaac gaaggatctc tgctcatcag ccagggcctg aaggccagga ggagtcaact 420
ccgcaatcag atgttacaga ggatggtgag agcccctgaa gatccctcag ggacagaggg 480
tcag 484

<210> 646
<211> 325
<212> DNA
<213> Homo sapiens

<400> 646
aaaaaaataa taaggtctca tggcttcatt cagagaccac agtaacaaca gcagcccacc 60
aatcagagaa gctggttggt attaaccaag ctacagattc acactttctg gcctaacc 120
taatgggatg aggcctttca cccaggcca tgctggtggt gatttttttag cccctaaata 180
aaacactgga ctatttctctg tttacttcat tgattgcaac tacaaagggtg gactcaaagc 240
aaagcacaat catgccagcc aacattccag aattctgctg agaactccaa gtctgtgagg 300
ggagaggttt tacaagccag acagg 325

<210> 647
<211> 566
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 535
 <223> n = A,T,C or G

<400> 647
 ctgtttccca tggggccacca ggcggctcag gacagcaaac gtctcatccc ctctcaggat 60
 gtactttctcc atgtctctgct cgatccactg gtacatgagg cccttcacat gcaagtctcg 120
 gatggcgctcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggcccag 180
 aaagtagtcc accacacagg acggcagagc catctccggt agcgagaaga tgtccatgaa 240
 ctgcttaatg gagggaccct tgccatagaa gccactcatc tgggtatagt ggatgtgctg 300
 ggtacccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc ccctgtaggc 360
 tgtccccaga cctgcccggg caggctctgt tttttctggc agatctgatg ctgatttgat 420
 gctgtatgat cttttttttt tttttagtta aattcattta gtgaatgttc tattatttta 480
 tacatacaca ttaagtactc agctaagtaa tggcactatg aggatttttt tttnttttcc 540
 tgtcagcagc agttctgtga atgcat 566

<210> 648
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 648
 ctgatcagcc tatatgaaga aagaaaaggt tatcattcag tccacgacat gtttggttga 60
 tttcaacata ggttttccag ttatactttt aatattgtga tctttcaaaa atcaatctta 120
 aaatcctttg aaacctgtag cacggctcatt taatgaaagt aaatagaata aagaaaactc 180
 cttatgctat ttttaacaaag gattacaagg aagtgacaac atctgctcac ttcaagtttt 240
 cttttctggg cccatggctt acagcttgct ctgcgatcta actaggctaa gttcatcatg 300
 tgaaaaatgg cacctctagt ggcagaaggc cccttggcac cag 343

<210> 649
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 649
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tcttcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggtcag gaacctttga ctgcttccat gttggcatot gcccctctctc 180
 aagagcaaaa gcaaagtgtg ggtgaacggc tgtttctctt tattcaagcc atgcacccta 240
 ctcttgctgg taaaatcact ggcatgttgt tggagattga taattcaaac ttcttcatat 300
 gctcgagtct ccagagtcac tccgttctaa ggttgatgaa gctgtagctg tactacaagc 360
 ccaccaagct aaagagg 377

<210> 650
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 650
 ccaagctgca ggggatttgg gggatgtggg acctccaatt cccagccccg gcttcagctc 60
 tttcccagggt gttgactcca gctccagctt cagctccage tccaggtcgg gctccagctc 120
 cagccgcagc ttaggcagcg gaggttctgt gtcccagttg ttttccaatt tcaccggctc 180
 cgtggatgac cgtgggacct gccagtgtct tgtttccctg ccagacacca cctttcccgt 240


```

ggacagagtg gaacgcttgg aattcacagc tcatgttctt tctcagaagt ttgagaaaga 300
acttttctaaa gtgagggaat atgtccaatt aattagtgtg tatgaaaaga aactgtttaa 360
cctaactgtc cgaattgaca tcatggagaa ggataccatt tcttacactg aactggactt 420
cgagctgacg aaggtagaag tgaaggagat ggaaaaactg gtcatacag 469

```

```

<210> 651
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 347, 436
<223> n = A,T,C or G

```

```

<400> 651
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt 60
gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aaggggggtg 120
gtttgaaggc cagggccaag gggctctcag gtccgcttct ggaaggagac agccttgagg 180
aaggagtcac ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240
agctgaccat cactgtttgt gtccagtttc ttcacatgcg ggtcaaggac accaggggtc 300
ttctggttct ttgtgaaggc agctagtctt gtattcatga agcttangaa ctctgtcttg 360
gagagagtgt agttataacc atcctttcca gcatacttct ggaagacagc aatcaggagc 420
tcgatgcacc gctcan 436

```

```

<210> 652
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 652
ccagctcaat gctgacctcc gcaagttggc agtcaacatg gtcccttccc cactctctcc 60
tttctttatg cctggctttg cccctctcac cagccgtgga agccagcagt atcgagctct 120
cacagtgccg gaactcaccg agcaggtctt cgatgccaaag aacatgatgg ctgcctgtga 180
ccccgcaccg ggccgatacc tcaccgtggc tgctgtcttc cgtgggtcgga tgtccatgaa 240
ggaggtcgat gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg 300
gatccccaac aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc 360
agtcaccttc attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca 420
gttcactgcc atgttccgcc ggaagg 446

```

```

<210> 653
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<400> 653
ccactttgag catctcatgg tggccctagt gactccacca gcagtctttg atgcaaagca 60
gctaaagaaa tccatgaagg gcgcgggaac aaacgaagat gccttgattg aaatcttaac 120
taccaggaca agcaggcaaa tgaaggatat ctctcaagcc tattatacag tatacaagaa 180
gagtcttgga gatgacatta gttccgaaac atctggtgac ttccggaaaag ctctgttgac 240
tttggcagat ggagaagag atgaaagtct gaaagtggat gagcatctgg 290

```

```

<210> 654
<211> 467

```

<212> DNA
<213> Homo sapiens

<400> 654
cagcagcaca cagcacacaa acgcacagca cacacgcaca cacagcacac acacgagcac 60
acagcacaca aacgcacagc acacgcacac acatgcacac acagcacact agcacacagc 120
acacacacaa agacacagca cacacatgca cacacagcac acacacgcga acacagcaca 180
cacgaacatg cacacacagc acacacacat aaaatgtgat acatatatat acacacacac 240
acaaaatgtg atatatatat atgtgtatac acacacacac acacacacac acacacacac 300
acacacacac catggaatac tactcagcca taaaaaggaa tgaaataatg gcattcacag 360
caacttggat ggaattgaag actattattc caagtgaagt aactcaggag tggaaagcca 420
aacattgtat gttctcaccg gtatatggga accaagctat gaggatg 467

<210> 655
<211> 286
<212> DNA
<213> Homo sapiens

<400> 655
aaaacttttg ttaagaaaaa ctgccagttt gtgcttttga aatgtctgtt ttgacatcat 60
agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat 120
taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat 180
ttatgtctac atattttgtgt gtgtgtgtgt atatatatgt aatatgcata cacagatgca 240
tatgtgtata tataatgaaa tttatgctgc tggtattttg cttttt 286

<210> 656
<211> 304
<212> DNA
<213> Homo sapiens

<400> 656
aaaaaagttt cctagccatg aagccctgct actgatttag acaagggtatt atgggtcatta 60
ctttgtaccc ctatccttcc aagcacttct ggtacttcag tcgtttttac tgatccacca 120
acacctaaag aggctatgct acagtctcta gctaaatgga agacacattc atccttctcc 180
ctctgactgc tttgatcatc atttattgca tctcataact aattttctaa agtttggatt 240
gggacttttc aggtcctttt tggagggcaa aggaagtgcc agcttctctg ggggaacttgt 300
tttt 304

<210> 657
<211> 141
<212> DNA
<213> Homo sapiens

<400> 657
atgatatgaa aaaccatcgt tggctcgtgg ttagtccgt gcgagaataa tgatgtatgc 60
tttgtttctg ttgagtgtgg gtttagtaat ggggtttgtg ggggtttctt ctaagccttc 120
tcctatttat gggggtttag t 141

<210> 658
<211> 430
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 658
 ctgatgaccc aggactgcmc tctgccccat cacagccagc atgactgctt ctctgagaga 60
 acttgcccat caggggctgg gacatggggg tgtgggtaaa gacagggatg aaggatagag 120
 gctgagagaa gaaggaagaa tcagcccagc aggtatgggc atctgggaaa cctccagcct 180
 caagtgtgtt ggtaacatga aaaagctctg ggggtagtgg ggatctgggt gtctgggtcca 240
 ttgctggcag tggacattat tcttgcccta agagacactg ccttttcagc agcagatact 300
 ggtgagatgg ggggtggctca ggctgttctt cctcctccta gaatgtctgg agctgtttct 360
 acattcagat actggtcccc tatcacaagg ctactggctn ataggaattc cctcctgggtg 420
 ccaccactgg 430

<210> 659
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 659
 ctggatctgg gattattgtt tcaactaccag gtttccagcc agcagggcag acttctccgt 60
 gtttgtcagt gtactggaat gcttgaacca aacgtagtgt ctcatccact gatctaccca 120
 caggaagatc attcagagta atttgtctta ggattccttt gtcatacaata atgaagagac 180
 ctctaagagt gtggcctgag tcctctaggt atacaccata gtcctttgag atctgatggg 240
 tcaaattctga aagaagtgga atccttattg gcccaagtcc tccttgtctt cgaggggtat 300
 taatccaggc caaatgggta aactgtgaat caacagagca tgctaccact tcagtattta 360
 tagatctgaa ttcttcaagt ctgtcgccaa aagcgataat ttcagttgga cacacaaatg 420
 tgaaatcaag tgggtagaag aagaaaacca agtatttccc acgataatca gttaacttca 480
 gctccttaaa ttctccatcg atcacag 507

<210> 660
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 660
 ctgccaacat gccatccaga ctgaggaaga cccggaaact taggggccac gtgagccacg 60
 gccacggcgc cataggcaag caccggaagc acccggcggg ccgcggtaat gctgggtggtc 120
 tgcataacca ccgatcaac ttcgacaaat accaccagc ctactttggg aaagttggta 180
 tgaagcatta ccacttaaag aggaaccaga gcttctgccc aactgtcaac cttgacaaat 240
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 ctcccatcat tgatgtggtg cgatcgggct actacaaagt tctgggaaag ggaaagctcc 360
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<210> 661
 <211> 471
 <212> DNA
 <213> Homo sapiens

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 gaacactgat cccaaatttg tccatagctg aagtccacca taaagtggat ttactttttt 180

tctttaagga tggatgttgt gttctcttta tttttttcct actacttta tccctaaaag 240
 aacgctgtgt ggctgggacc tttaggaaag tgaaatgcag gtgagaagaa cctaaacatg 300
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 tgcggtcat ggagagcat tcagtgcac ggtttagggtg aagtcgctgc atatgtgact 420
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<210> 662
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 662
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 ctggtgaaaa gtggggagct gacagccttg gagttcagtg cttccccagg gctacgaagg 180
 aagctgaaca cgcgtccagt ccacctgcac ctcttcaatg actgtctgct gctgtctcgg 240
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 ggggatccca tcaaactgta tcatgagacc acatagcagg acatgtaata tggatatagac 480
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<210> 663
 <211> 508
 <212> DNA
 <213> Homo sapiens

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 gccctggttg cacatgccgt cggccatgac tgtgtatgct ctggtggtgg tgtcttactt 180
 cctcatcacc ggaggaataa tttatgatgt tattgttgaa cctccaagtg tcggttctat 240
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 aatcctggac cgatcgaatg caccaaatat cccaaaactc aatagattcc ttcttctggt 420
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 actgccgggc tatctgatgg gttagagt 508

<210> 664
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 664
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 tctcaacctc gtggacagca atctgcagaa gaagagaact tcaaaaaacc aactagaagc 360
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<210> 665

<211> 452
 <212> DNA
 <213> Homo sapiens

<400> 665
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 catggagaag gctggggctc atttgcaggg gggagccaaa agggtcacat tctctgcccc 180
 ctctgctgat gccccatgt tcgtcatggg tgtgaaccat gagaagtatg acaacagcct 240
 caagatcatc agcaatgcct cctgcaccac caactgctta gcacccctgg ccaaagaatc 300
 agtgaatgca gcttttgaaa tgacattaac agaagggaagt aagttggaga agaaactctt 360
 ttattcaacc ttggccactg atgaccggaa agaagggatg accgcgtttg tggaaaagag 420
 aaaggccaac ttcaaagacc agtgagaacc ag 452

<210> 666
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 666
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 atcacgatga agaggcaaat caagcacatg attaagtacc ggtacatccc gttcacacat 180
 gggaagagaa ggtacagagg caaggaggat gccggcaagg ccttcgccag ctagaagcgg 240
 gactgaggct gcttcacgtg ttgcaagaac agttttgagc cattgttaac aatgcctttt 300
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<210> 667
 <211> 454
 <212> DNA
 <213> Homo sapiens

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 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
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 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
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<210> 668
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 668
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 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta ttccggacac atctgggtgac ttccgcaagc tgatgggttg 240
 cctggcaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
 agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360

gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtacaa 420
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<210> 669
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422
<223> n = A,T,C or G

<400> 669
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tctaaccatt cttttatgtc atcaagagtt gcatcagttg ggaagccttt aatataaaca 180
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<211> 524
<212> DNA
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<400> 670
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aataaccagt actttggttt tcattccgtt actaagtact ttaaggcttt atatgtcata 180
attttattgc taacatcaaa tatttatatt attttttaga aaaataacta aacatgggca 240
aaggagatcc taagaagccg agaggcaaaa tgtcatcata tgcatttttt gtgcaaaact 300
gtcgggagga gcataagaag aagcaccagc atgcttcagt caactttctc gagttttcta 360
agaagtgtc agagaggtgg aagaccatgt ctgctaaaga gaaaggaaaa tttgaagata 420
tggcaaaagc ggacaaggcc cgttatgaaa gagaaatgaa aacctatatc cctcccaaag 480
gggagacaaa aaagaagttc aaggatccca atgcacccaa aagg 524

<210> 671
<211> 189
<212> DNA
<213> Homo sapiens

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tttgagctga tgaccagcct ccacaccaag ctagaaggct tccacactca aatctctaag 120
tatttctctg agcgtggtga tgcagtgact aaagcagcca agcagcccca tgtgggtgat 180
tateggcag 189

<210> 672
<211> 446
<212> DNA

<213> Homo sapiens

<400> 672

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cggctgtctt gacattgttg gggatccatt ccacaaagta gctgctgttc ttgttctgca 180
cgtaagcat ctgctcatcg acctccttca tggacatccg accacggaag acagcagcca 240
cggtgaggta tcggccgtgg cgggggtcac aggcagccat catgttcttg gcacgaaga 300
cctgctgggt gagttccggc actgtgagag ctcgatactg ctggcttcca cggctggtga 360
gaggggcaaa gccaggcata aagaaatgga gacgtgggaa ggggaccatg ttgactgcca 420
acttgccggag gtcagcattg agctgg 446
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<210> 673

<211> 442

<212> DNA

<213> Homo sapiens

<400> 673

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ccaaagaggt cgaagtgggt ctggaaactt tgggtgggtg cgtggagggtg gtttcgggtg 120
gaatgacaac ttcgggtcgtg gaggaaactt cagtgggtcgt ggtggctttg gtggcagccg 180
tgggtgggtg ggatatgggtg gcagtgggga tggctataat ggatttggtg atgatggaag 240
caatttttga ggtgggtggaa gctacaatga ttttggaat tacaacaatc agtcttcaaa 300
ttttggaccc atgaaggag gaaatttttg aggcagaagc tctggccctt atggcgggtg 360
aggccaatac tttgcaaaac cacgaaacca aggtggctat ggcggttcca gcagcagcag 420
tagctatggc agtggcagaa ga 442
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<210> 674

<211> 527

<212> DNA

<213> Homo sapiens

<400> 674

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ctctggatgc cactggacac catatactgg atacttatat ccttccattg ttgaaataaa 180
ctcaatcttg ccactctgtat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtca gaggttctac 300
tgctaattgac agcaacaact cagtaggaaa attctggaac attctgctgt gcaattgacc 360
tccagtgaag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
tccactaatc agcagtgaag gctcttcaaa tccaaggcat gtgccccaca caggaaaata 480
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<210> 675

<211> 423

<212> DNA

<213> Homo sapiens

<400> 675

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cttcttcagt cgtccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatctt ccactcttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
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<211> 437
 <212> DNA
 <213> Homo sapiens

<400> 679
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 gagacattga tactgctgcc aaattttattg gtgcaggtgc tgcaacagta ggagtggctg 360
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 cttcgctgaa gcagcag 437

<210> 680
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 680
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 ttgtccagga ggtcagatgc cagcagcttc atccccctgc agagctcttg catgtggaga 240
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<210> 681
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 681
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 ggtccagggg cttgtacttc ttgcccttgt agaatttctt gaggttttct ttctgagtct 180
 ggtaataaac tgtgagaaca cgggcaatgg atttccggac gactcggatc ttagagagct 240
 tggaggccgc accgcctgtc actttggcga cgcgcag 277

<210> 682
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 682
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 tgtcccaggg agctaagttt taaggactaa tcacaaactt gtttctccaa caacatcctg 240
 aatccattcc ttgcaccatc acacattttt catgcatcag aagtgtttct agagctccag 300
 aaccacgagt acctcatcac gtctgagcgc ctcacatccc ccagcaagcc gcctgcacca 360
 gg 362

<210> 683
 <211> 435

<212> DNA
<213> Homo sapiens

<400> 683
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aactacattt ggtaggatta acatttcata taacaaatgg ggcttaatta aaaactttaa 300
cttgaataaa aggaacaggg atcactttat cttctgcctt catttacctt agtccaagat 360
tcttgcaaaa caggcaactg aacaaacatt aggtttatgt aggtaaaatg tgaaagcatt 420
tctcctccac ttttt 435

<210> 684
<211> 387
<212> DNA
<213> Homo sapiens

<400> 684
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ggtctcagaa ctgtttgttt caattgg 387

<210> 685
<211> 308
<212> DNA
<213> Homo sapiens

<400> 685
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ccttcagg 308

<210> 686
<211> 500
<212> DNA
<213> Homo sapiens

<400> 686
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500

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<222> 555  
<223> n = A,T,C or G
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taatttaggt cgggtgtgat ccgcaaactg tacttcccca gcttgtctca tgaaatcttt 480
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<400> 689						
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ggatatatcc	ctcccaaaaag	gaaacaaggg	caaggcttat	ctttgtgtca	aaacggagag	360
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<210> 690
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 690
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<210> 691
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 <212> DNA
 <213> Homo sapiens

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 caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
 cagcgcttct tgtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
 gtactttctc ttgaattcag acctaatctt caacatgtcc acttcactgc gggagaccat 240
 gattctgatac aggaccttat ctgcgctccc cttgcccttc atggagtcac acagccgac 300
 agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaaag cattttccag 360
 gtctccttta acctctttcc tgatgcttcc caacatgtca taagggtgt aactcttgta 420
 cctatcaaat actttctgga ggtggggcac gctccgctcg gtcattgatc tgatccactt 480
 gggaacatca gttcctttcc tcttcactcc agtgtcatag agatcccgag catcttggtc 540
 aatcagttca 550

<210> 692
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 14, 51, 108, 330, 339
 <223> n = A,T,C or G

<400> 692
 canatgtcct aggnccctccc aattottaga catttaatac ccatttttct nctcctttta 60
 ttcggaacct gtatcttcca tttagcttct caaatcatcc aaaaccgnat ccaggccatc 120
 accaatcatt ctatacgaca aatgtttctt ctaacatccc catgatatca ccccttacca 180
 caagacctcc cttcagctta atctctccca ctctaggctc ccacgccgcc cctaattccc 240
 cttgaagcag ccctgagaaa catcgcccat tatctctcca taccaccccc caaaaatttt 300
 cgctgcccc acacttcaac actatcttgn tttatttgnc ttattaatat aagaaggcag 360
 gaatgtcagg 370

<210> 693
 <211> 520

<213> Homo sapiens

aaaacctgaa	ttgttacgcg	atcattttcc	ttttcataaa	aatagatata	tctgttcaga	60
atctctataa	aaagctgcac	ttgtagagag	gggtccatgc	actgatttgc	tatttttaga	120
gcttttttta	ggcactccat	tacctctttg	cctccgtgaa	gctcctcccc	atttttgtcc	180
gtgtttctgc	cagaccagaa	gagatgtgca	caggtgctca	cagctcggcc	ctgatcaggt	240
ttctttagaa	gtttggatgc	agcaagggca	cactgagtc	tcagaggttc	atgattctct	300
tactgaagc	acttcacct	ttcaaaagt	ccaatgatca	agtgatggc	agctagctgt	360
gcttggaa	cgctgatttc	atcttcatac	agagaaaatg	cctgggacat	gaattcatat	420
gcgactgtct	catgattttc	aaaaccaatt	tcccagcag	ctagtgtctc	ttgaagaaaa	480
agtcttaagg	gcaattctgc	cagctctgct	ttgatcaaa			520

<211> 342

<213> Homo sapiens

ctgcattgag	ttagcggggg	cggagtggtc	ctggggcagc	ctgtccctaa	cagaatccac	60
ctccgagttg	tgacaattaa	atgaaaaggt	tgaaaaggtg	aacatgaagc	acctgctaca	120
ctgccctggt	gccaccagca	ttgtcactgc	tctagctcct	gtggcactgc	acggacacgt	180
ggttgctaca	agttagtacg	catatttggc	cttatttagag	gcactttcct	attgtaactg	240
aagggatagt	tggcttaagt	caattgaaat	accagcaaca	ggacattcca	gcttcaatgg	300
cttgtgcctg	tagttgctca	cctgcgccaa	gaactgaggc	ag		342

<211> 503

<213> Homo sapiens

aaattgttag	gaggcttgga	gctattagtt	aatctatctt	ccaatacact	gtttaatata	60
gcactgaata	aatgatgcaa	gttgtcaatg	gatgagtgat	caactaatag	ctctgctagt	120
aattgattta	tttttcttca	ataaagttgc	ataaaccaat	gagttagctg	cctggattaa	180
tcagtatggg	aaacaatctt	ttgtaaatgc	aaagctgttt	tttgtatata	ctgttgggat	240
ttgcttcatt	gtttgacatc	aaatgatgat	gtaaagttcg	aaagagtgaa	tattttgcc	300
tgttcagtta	aagtgcacag	tctgttacag	gttgacacat	tgcttgacct	gatttatgca	360
gaattaataa	gctatttgga	tagtgtagct	ttaatgtgct	gcacatgata	ctggcagccc	420
tagagttcat	agatggactt	ttgggaccca	gcagttttga	aatgtgttta	tggagtttaa	480
gaaattttatt	ttccaggtgc	agc				503

<211> 325

<213> Homo sapiens

ccagataaagg	ctgacttcag	tgctgatgca	agttcccttt	tggtccttct	ctggtaggcg	60
aaggcaatat	cctgtctctg	tgcaattgctg	cggttggtca	aaatgttgac	aatggtgacc	120
tcatccacac	ctttggtctt	gatggctgtt	tcaatgttca	aagcatcccg	ctcagcatca	180
aagttagtat	aggctttgac	agaccatat	gcacttgggg	gtgtagagtg	atcacccctc	240
aagctgagct	tgcacaggat	ttcgtgaaca	gtagacattt	tgaaggaagc	tggggccgtgc	300

gccgagagct gagagcgtcc ccaaa

325

<210> 697

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422

<223> n = A,T,C or G

<400> 697

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ccaccatcta tgcaaagtga aagctctgaa caaggggtgat gccaaactctg aagtcactgt 60
gtactaccag tcaggtacca ggagtctaag agaataacg cttatggagc tgcttgtgat 120
gcacatggaa gaaccttggt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
ctaccctacc tgtaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
ggcaaccaa tacaattctg aagtgtgtga taagaagata gaagagtttc tttctagctt 300
tgaggagaag attgagaacc tcaactgaaga ggcattcaac acccaggtca cagctctcat 360
caagctgaag gagtatgagg ataccacact tggggaggag gtggatagga actggaatga 420
angtggttac acagcagtac ctctttgacc gccttgccca cgagattgaa gcactgaagt 480
cattctcaaa atcagacctg                                     500
```

<210> 698

<211> 117

<212> DNA

<213> Homo sapiens

<400> 698

```
ccagataccg cccacgtgcc cccatcattg ctgtgaccog gaatccccag acagctcgtc 60
aggcccacct gtaccgtggc atcttccctg tgctgtgcaa ggaccagtc caggagg 117
```

<210> 699

<211> 268

<212> DNA

<213> Homo sapiens

<400> 699

```
ctgggggttat aagtttatag ttgggaactt cottacagag tttatcatag gtagctttgt 60
caaacaagac taagttattg agcttgtccc gaactttgcc tttggaccac ttcttctttt 120
tggccttgcc cccggatttg ttcaactgggt ctttgtcttt cttggccgac tttccagcgt 180
ccttcttctt cttgtcgtcc ttaggcggca ttgcgaagct cggagaatag cagcagacac 240
cgcagcctcg tcaagatgtc ggacaaaa                                     268
```

<210> 700

<211> 205

<212> DNA

<213> Homo sapiens

<400> 700

```
tttttgact tttttataa gcaaaaacgt gccgtttaaa ccaactggatc tatctaaatg 60
ccgatttgag ttgcgacac tatgtactgc gtttttcatt cttgtatttg actatttaat 120
cctttctact tgtcgctaaa tataattggt ttagtcctat ggcatgatga tagcatatgt 180
gttcagggtt atagctgttg tgttt                                     205
```

<210> 701
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 701
 ctggtagctg gtgttgcatt caagaagact ttctcttacg ctggggttga aatgcaaccc 60
 aaaaagtacc acaatcccaa gattgccctt ttgaatgtcg agctcgagtt gaaagctgag 120
 aaagacaatg ctgagataag agtccacaca gttgaggatt atcaggcaat tgttgatgct 180
 gagtggaaaca ttctctatga caagttagag aagatccatc attctggagc caaagttgtc 240
 ttgtccaaac tccccattgg ggatgtgg 268

<210> 702
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 523
 <223> n = A,T,C or G

<400> 702
 cacgcatctt tccaagaagg caggcgagat ctggaaggga atgtccaaag agaagaaaga 60
 ggagtgggat cgcaaggctg aggatgccag gagggactat gaaaaagcca tgaaagaata 120
 tgaagggggc cgaggcgagt cttctaagag ggacaagtca aagaagaaga agaaagtaaa 180
 ggtaaagatg gaaaagaaat ccacgccctc taggggctca tcatccaagt cgtcctcaag 240
 gcagctaagc gagagcttca agagcaaaga gtttgtgtct agtgatgaga gctcttcggg 300
 agagaacaag agcaaaaaga agaggaggag gagcgaggac tctgaagaag aagaactagc 360
 cagtactccc ccagctcag aggaactcagc gtcaggatcc gatgagtaga aacggaggaa 420
 ggttctcttt gcgcttgcc tctcacaccc cccgactccc caccatatt ttggtaccag 480
 tttctctca tgaaatgcag tccctggatt ctgtgccatc tgnacatgct ctctgttgg 540
 tgtg 544

<210> 703
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 703
 tttttttttt ttagttgctg ttcataagtt tattatctat atctgaaaaa atcatagaaa 60
 attgctgggt ttagctctca gcagcccgct cctgagctct gaggaagctt gccttctttt 120
 gagctacccg atccttcttc tgagcaaggg acattttggg acggttccac ctcttctttt 180
 taacttcttt cttgggcttc ttttcataga ctggattctc tcgtatagca gcatgagctt 240
 tcttatacat ctctccatc atgtctggag ttaogctgtt ctttatgtat tgagagaact 300
 gtttcttgta agcatcttca tcttcttcca ttaagtagcg catgtaatct gcaacattct 360
 ggcccatgat gtgcttccga tgtaactctg cattaaattc c 401

<210> 704
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 704

```

aaaagacaaa aacaaaaacaa aaataaccaca gctcaagata aagagtccta tacagaaatc 60
acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
gcctgggtca gggctcctgg ctggtgacct gctttgagta ggtttcttgc aggtacttct 180
taaaagctgt ggggtttttc cagagctcgg cagcatgtgt g 221

```

<210> 705

<211> 568

<212> DNA

<213> Homo sapiens

<400> 705

```

ccaggctggg cttgaactcc tgacgtcaag tgatctgctt gccttgggtc cccaatacag 60
gcatgaacca ctgcaccac ctacttagat atttcatgtg ctatagacat tagagagatt 120
tttcattttt ccatgacatt tttcctctct gcaaatggct tagctacttg tgtttttccc 180
ttttggggca agacagactc attaaatatt ctgtacattt tttctttatc aaggagatat 240
atcagtgttg tctcatagaa ctgcctggat tccatttatg ttttttctga ttccatcctg 300
tgtcccttc atccttgact cctttgggtat ttcactgaat ttcaaacatt tgtcagagaa 360
gaaaaaagtg aggactcagg aaaaataaat aaataaaaga acagcctttt cccttagtat 420
taacagaaat gtttctgtgt cattaacat ctttaatacaa tgtgacatgt tgctctttgg 480
ctgaaattct tcaacttgga aatgacacag acccacagaa ggtgttcaaa cacaacctac 540
tctgcaaacc ttggtaaagg aaccagtc 568

```

<210> 706

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 153

<223> n = A,T,C or G

<400> 706

```

cctcctgggt actctgtccc tgcactccat gtatagtcct cttgggttgg ggggtggggg 60
gtgccgttgg tgggagagac aaaaagaggg agagtgtgct ttttgtacag taataaaaaa 120
taagtattgg gaagcaggct tttttccctt canggcctct gctttcctcc cgtccagatc 180
cttgacagga gcttggaaac ttagtgacac tacttcagtt cagaacactt agcaccaccac 240
tgactccact gacaattgac taaaagatgc aggtgctcgt atctcgacat tcattccacc 300
ccccctctta ttt 313

```

<210> 707

<211> 410

<212> DNA

<213> Homo sapiens

<400> 707

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ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
acgtgcctt ccacttcaat ccgcggtttg acggctggga caaggtgggt ttcaacacgt 120
tgacagggcg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtctctg ctgagcacta caaggtgggt gtaaatggaa 240
atcccttcta tgagtatggg caccggcttc ccctacagat ggtcaccacc ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatoggagg ccagccctc cggccccagg 360
gacccccgat gatgccacct taccctgggt ccggacattg ccatcaacag 410

```


<210> 708
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 708
 ctgctgcccc tgctggtgcc attgccccat gtgaagtcac tgtgccagcc cagaacactg 60
 gtctcggggc cgagaagacc tcctttttcc aggccttagg taccaccact aaaatctcca 120
 ggggcaccat tgaaatcctg agtgatgtgc agctgatcaa gactggagac aaagtgggag 180
 ccagcgaagc cacgctgctg aacatgctca acatctccc cttctccttt gggctggtca 240
 tccagcaggt gttcgacaat ggcagcatct acaaccctga agtgcttgat atcacagagg 300
 aaactctgca ttctcgcttc ctggaggggtg tccgcaatgt tgccagtgtc tgtctgcaga 360
 ttggtacccc aactgttgca tcagtacccc attctatcat caacgggtac aaacgagtcc 420
 tggccttgtc tgtggagacg gattacacct tcccacttgc tgaaaaggtc aagg 474

<210> 709
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 709
 ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
 agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
 cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
 ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc 240
 tttttccttt ttttggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
 cctgtcatga tcacagtgtc agagacgcgt cctctttctt ggggaagttg aggagtgcc 360
 ttcagagcca gtagcaggca ggggtgggta ggcaccctcc ttctgtttt tatctaataa 420
 aatgctaacc tgcaaaaaaa aa 442

<210> 710
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 486
 <223> n = A,T,C or G

<400> 710
 cgctcccccc tccccccgag cgccgctccg gctgcaccgc gctcgctccg agtttcaggc 60
 tcgtgctaag ctagcgccgt cgctgtctcc cttoagtgcg catcatgatt atctaccggg 120
 acctcatcag ccacgatgag atgttctccg acatctacaa gatccgggag atcgcgagac 180
 gggtgtgcct ggaggtggag gggaagatgg tcagtaggac agaaggtaac attgatgact 240
 cgctcatttg tggaatgcc tccgctgaag gccccgaggg cgaaggtaac gaaagcacag 300
 taatcactgg tgtcgatatt gtcatgaacc atcacctgca ggaaacaagt ttcacaaaag 360
 aagcctacaa gaagtacatc aaagattaca tgaaatcaat caaagggaaa cttgaagaac 420
 agagaccaga aagagtaaaa ctttttatga caggggctgc agaacaatc aagcacatcc 480
 ttgctnattt caaaaactac cagttcttta ttggtgaaac atgaatccag atggc 535

<210> 711
 <211> 332

<212> DNA
<213> Homo sapiens

<400> 711
cctggatgtg gctcttcgca ctgaaggcca agtagtagat cacaaggccg atcgccgcag 60
ccagcacctc agtggacacc cagggcccggt tccaagtgcc ccgatgggcc acgctgactg 120
taaacagagg cgggatgatg gaaatgtcct cggtattcct ctgagccttc ctgaggaggc 180
tgtaggactc ctcgtcgaag aatctaacct cgtagggtgcc tgcgtgggag ctcttgtggt 240
ccaggctcca ggacacctga taacgccccg catcctggcc tcgagtgaca gggaattggt 300
ttccaccgac gtcagcatag agagccatgt tc 332

<210> 712
<211> 481
<212> DNA
<213> Homo sapiens

<400> 712
ctgaagaaaa aagcagtcac cgattttaag tccaatgggc acatttatga caatcggata 60
gttctgaatg gcatcgacct caaagcattt cttgatagtc taccagatgt gaaaattgtc 120
aagatgaagt gtcctgatgg aggagacaat gcagatagca gtaacacagc tcttaatatg 180
cctgtttattc ctatgaatac tattgcagaa gcagttattg aaatgattaa ccgaggacag 240
attcaataaa caattaatgg attcagtatt agcaatggac tggcaactac tcagatcaac 300
aataaggctg caactggaga ggaggttccc cgtaccatta ttgtaaccac ccgtttctcag 360
tacgggttac cagaagatgc catcgtatac tgtaacttta atcagttgta taaaattgac 420
ccttctactt tgcagatgtg ggcaaacatt ctgaagcgtg ttcccaatag tgtactctgg 480
c 481

<210> 713
<211> 129
<212> DNA
<213> Homo sapiens

<400> 713
caacagcgag caccttcctg ctccgtgact gttcttggcc cctctagcag tcctcagatc 60
tttagatcgg ccctcgaggg gtcagcagaa caggcagccg tgaaggtgag gggcatggag 120
gaatctggt 129

<210> 714
<211> 471
<212> DNA
<213> Homo sapiens

<400> 714
ctgacattcc tgccttctta tattaataag acaataaaaa caaaatagtg ttgaagtgtt 60
ggggcagcga aaatttttgg ggggtggtat ggagagataa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcggtggg agcctagagt gggagagatt aagctgaagg 180
gaggtcttgt ggtaaggggt gatatcatgg ggatgttaga agaaacattt gtcgtataga 240
atgattgggtg atggcctgga tacggttttg gatgatttga gaagctaaat ggaagatgca 300
aggtccgaat aaaaggagga gaaaaatggg tattaaatgt ctaagaattg ggaggaccta 360
ggacatttga ttagagagtg cctaaggaga ttcagcatag tcctgccagc aaagattatt 420
tacttcaaga gttaagagtg gcagtttggg gatagcacca ggagatatca g 471

<210> 715
<211> 454

<212> DNA
<213> Homo sapiens

<400> 715
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataage gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttcttgt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
atgctgccat tggtgatatg gttcctggca agcccatgtg tggtgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggcgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaaggc caccaagtct gccagaaaag 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggc ctcagaactg tttgtttcaa ttgg 454

<210> 716
<211> 300
<212> DNA
<213> Homo sapiens

<400> 716
caggtcctgg gctcgctg accacaagtt tgacctgatg tatgccaaagc gtgcctttgt 60
tcaactggtac gtgggtgagg ggatggagga aggcgagttt tcagaggccc gtgaggacat 120
ggctgccctt gagaaggatt atgaggaggt tggagcagat agtgctgacg gagaggatga 180
gggtgaagag tattaacctg tgtgctgtac ttttactctc ctttgtcttg gaactgtctt 240
atTTTTgttc tgtaaatgtc tattgccgta aattgttaat aaaattgatg tttccatttt 300

<210> 717
<211> 575
<212> DNA
<213> Homo sapiens

<400> 717
aaaatcatat ccagcacaaa aactatTTTct ggctgaatag cacagaaaag tattttaacc 60
tacctgtaga gatcctcgtc atggaaaggc gccaaactgt tttgaatgga aggacaagta 120
agagtgaggc cacagttccc accacacgag ggcttttgta ttgttctact ttttcagccc 180
tttactttct ggctgaagca tccccttgga gtgccatgta taagttgggc tattagagtt 240
catggaacat agaacaacca tgaatgagtg gtatgatccg tgcttaatga tcaagtgtta 300
cttatctaata aatcctctag aaagaaccct gttagatctt ggtttgtgat aaaaatataa 360
agacagaaga catgaggaaa aacaaaaggc ttgaggaaat caggcatatg actttatact 420
taacatcaga tcttttctat aatatcctac tactttgggt ttcctagctc cataccacac 480
acctaaacct gtattatgaa ttacatatta caaagtcata aatgtgccat atggatatac 540
agtacattct agttgggaat cgtttactct gctag 575

<210> 718
<211> 483
<212> DNA
<213> Homo sapiens

<400> 718
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggtcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300

<210> 722
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 722
 ggccgataacc tcaccgtggc tgctgtcttc cgtggtcgga tgtccatgaa ggaggtcgat 60
 gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg gatccccaac 120
 aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc agtcaccttc 180
 attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca gttcactgcc 240
 atgttccgcc ggaagg 256

<210> 723
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 723
 ctgaagccgt ggatacagaa atctctgcag gcaagttgct ccagagcata ttgcaggaca 60
 agcctgtaac gaatagttaa attcacggca tctggattcc taatcctttt ccgaaatggc 120
 aggtgtgagt gcctgtataa aatattctat gtttaccttc aacttcttgt tctggctatg 180
 tggatatcttg atcctagcat tagcaatatg ggtacgagta agca 224

<210> 724
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 724
 aaaaattatc atcaagacat tttacaccac aagtcacata aaattaggtc tacttcagcc 60
 agataaccta tagctgttaa agaattatat tatcctgttc ataagatgag aggtagtgc 120
 atttttattct ctcaatgctg agctaaaaat tccacacatc tggcacatgg gttacaagg 180
 ggaaaagcac agaagcacca ttgccactc ctcaggtttt ggtatttcaa gtcaccata 240
 acttcatttg ctattggcag 260

<210> 725
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 725
 aaaaaacaaa cagggtgaaa aatgggttaa agtaggcaaa tacaacatat ctgccttttag 60
 agctatcaac tcaggaattc tctcaattat gaaatcttgc agagaagtta tttttctttc 120
 tcaaaatcca ggtgatgaca atattcctta ctccagatct ggcatttttt catcatcaact 180
 gtcttgtgaa tcatca 196

<210> 726
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 726
 gacggcttga gggctgtcaa aaatgctatt gatgatggct gtgtggttcc aggtgctgg 60
 gccgtggaag tggcaatggc agaagccctg attaaacata agcccagtgt aaagggcagg 120

```

gcacagcttg gagtccaagc atttgctgat gcattgctca ttattcccaa ggttcttgct 180
cagaactctg gttttgacct tcaggaaaca ttagttaaaa ttcaagcaga acattcagaa 240
tcaggtcagc ttgtgggtgt ggacctgaac acagggtgagc caatgggtggc agcagaagta 300
ggcgtatggg ataactattg tgtaaagaaa cagcttcttc actcctgcac tgtgattgcc 360
accaacattc tcttggttga tgagatcatg cgagctggaa tgtcttctct gaaagggttga 420
attgaagctt cctctgtatc tgaatcttga agactgcaaa gtgatcctga ggattacag 479

```

```

<210> 727
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 727
aaaattaatc ttgcttcatt gttacatgta atatatttca gacattttca ctggaagatt 60
tatgaacaga aatattgggt gaaagttaga gatttttaca aatgctgaca aaaatatttt 120
cctagcatca gtagatttct ggcataatgt tctgctagct atatatttag gaaattcaaa 180
gcataaaaact ttggcaacat cttggctgtt ctagacacag tgtacttgtc aaccctctc 240
aggtaccttt tcttgggatg cttattagaa gccaaagtaa gtgcttaagg tttgttttca 300
ttaaattagc tatttctgct cccctgttca aagatgcatt ttgagtgttt atagatcact 360
gccctttttg aaatcacct 379

```

```

<210> 728
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 728
aaatttctga acttcttcaa tacaaattaa aatagtactg gagtcttttg ggaggccaat 60
agctagcagc tacattaatt ggtgtagagg agcctcctta tcgataacca ggtccagggt 120
gggtatagcc ctgaccaaag ggaggacggt tacgcgcata aggattaggc ccacttggag 180
gaggggtcat ggtacttcca ggaagtgaag taaaacctgg tcttgggttga taggccccag 240
gttggcttgg agccattcca ggttgagagg caggagccac agtataatta gtaggctgag 300
aagtttgggc agtgtaagtt tgtgcaggat aattgctcgc ctggtactgc tgtggcggct 360
gagcaggcag ttgttgaggc tgaccagaaa aggcaggagc tgggtgcctgg gaagttgggt 420
gctgg 425

```

```

<210> 729
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 431
<223> n = A,T,C or G

```

```

<400> 729
caactggatg gaagactcgg acgtggaaga tctgactaaa gagaccctgc acaagcagta 60
ccacctggta aaatcgca ccaacaccag ccacgtcatg cagtatggaa acaaaacaat 120
ctccaccatg aaagtgatgc agtttcaggg tatgaagcgc aaagccagtt ctcccgctcc 180
cctacctcca gtcacacacc ttgacctcac cccagccct gatgtgcctc tcaccatcat 240
gaaaaggaaa ctgatgaaca ccaatgatct ggaggagtcc aggcagctca cggaggagat 300
ccagcggcat ctgatgccca ggcacctcat tgagaagtca gtgcgtaaga tcgtctcctt 360
gctggcagcg tccgaggctg aggtggagca gtcctgtcc gagagagccc cgctcacggg 420

```

gcacagtttt ntacaagctt tt

442

<210> 730

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 450

<223> n = A,T,C or G

<400> 730

```
ctgggctgat gaaacggatg acctggaagg agatgtttcg accacttggc acagtaacga 60
tgacgatgtg tatagggcgc ctccaattga ccgttccatc cttcccactg ctccacgggc 120
tgctcgggaa cccaatatcg accggagccg tcttcccaaa tgcgccacct aactgcttt 180
tctaggaaac ctaccctatg atgttacaga agagtcaatt aaggattctt ttcgaggatt 240
aaatatcagt gcagtgcgtt taccacgtga acccagcaat ccagagaggt tgaaaggttt 300
tggttatgct gaatttgagg acctggattc cctgctcagt gccctgagtc tcaatgaaga 360
gtctctaggt aacaggagaa ttcgagtgga cgttgctgat caagcacagg ataaagacag 420
ggatgatcgt tcttttggcc gtgatagaan tcgggattct ggcaaacacag atacagactg 480
gagggctcgt cctgctacag acagc 505
```

<210> 731

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 347

<223> n = A,T,C or G

<400> 731

```
cctggggctt ctgtcgtcga ggagttcagg ggtggacgca gaaatggggg aaggagagtg 60
gctacgtaga gagtgagagc gagattccta aaaagatgca cagagagacc ctacagagag 120
ccaagaaaga tggtagagag gtagggaagg agagggaggg agagagagag agagaagcag 180
agggaatggg ttgcaactggc tgaggatggt ggaggagccg tctcactccc ttctaattgt 240
ctatagatca ataacgaggg aagaaaggag gacagggagc tgatggaaac acagcttgcc 300
aactgccaaag ggaagaaggt agggctggac tccctgctgt ggccanccc ttgttagggg 360
ttggtctctc actgcagcca gacaggatga tccctgggttc tggggagggg taagctgccc 420
cttgccgagt tctgcaccga ataaagagtc caaaccgcgt gct 463
```

<210> 732

<211> 459

<212> DNA

<213> Homo sapiens

<400> 732

```
ctgacatgga tgtggggcag ataggctttc acaggcagaa ggatgtaaaa attgtgacag 60
tggaagaaga agtaaatgag atcctgaacc gattagaaaa gaccaaagtc gagcggttcc 120
cagacctagc agcagagaaa gaatgcagag atcgtgaaga gaggaatgag aaaaaagccc 180
aaattcagga aatgaaaaag agagaaaaag aagaaatgaa gaagaagagg gaaatggatg 240
aacttaggag ctattcatca ctaatgaaag ttgaaaatat gtcttcaaat caggatggca 300
```

atgattcaga tgaattcatg taaaaggaga aaaggagaaa aggacctttg aaagatgtga 360
 atgtagagac aattgcagac cttttgggtt catctgtgtt ctgaagcata aaatacaacc 420
 aaaattctac cttcatccta cccagaaatt attgattttt 459

<210> 733
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 733
 cctttactta ttcagtgaag gtgtctatatt agactaagag gtatttttagt ttcctgactc 60
 gggcatgttg agtaaagcta atttgccagt cctgggtggg ggcaaactct cgagcttgat 120
 gtgtagggaa gggagggggc ctgaataatc cctgaggagt agtagaatag cagatggaac 180
 actgagaagt tatttccttg aggatagatt tccacgatgg aaaggaaatg agaggttctg 240
 agaggcgggc tagtggcttg tactatagca taacctgccg ttgctggtgt gtggcgatta 300
 gg 302

<210> 734
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 734
 ccatgaaagg acaagtatgg agatgaaagc tatcacactg agaatagtgg gatgtagata 60
 gaaagcacct gaattgtgct tctgaattaa ccaatccagg aactgcttta cctttggact 120
 ttttgttatg tgagatattc tttatattgt tccatttgct ttgggtatat gtatattgtt 180
 acttgtagcc aaaaagaaac ctctcttagt agaaacaaag ggagagttag gttattcaaa 240
 aattagtatg ggacaattga atatgccttt ttctgcgga gtaggtgggg agaaacttaa 300
 aggttcactt gtaaaacaat aaagtactaa agaaaaaaaa aaa 343

<210> 735
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 735
 gacaggggga gggagagcat ctggacaaat acctaattga tgaggggcaa aactttttgt 60
 attattgttt gttttgtggt cagttcaaaag tcttaaccag ttttattgtc aaataaacta 120
 taaatgttat gggggagatc ttataaatat cctgggcaag agtgtatgca tacaaaagttt 180
 tcaacttttg gaaatgtaat ttttctgttt ttgcaaaggg atgaggtgat tggaattgct 240
 ttgaccatgc tgcctttatt ctcaaactgg caaacttagc atgttaggtg tattaacctc 300
 atcagtcctg aagaacatgt ggctcatgag tataacactt ctgtagagga ctccctgaca 360
 aaagtgaaga attaacttct cctccagaac aagtgaatt cagaaggcag ctctgcattc 420
 taccttgctt gactggaatt gtctgaagct ttttctggcc tcttttctct agtcggccac 480
 cctgaagtgt ctgaggtcta agtggtttac ctctgctga tagatgg 527

<210> 736
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 736
 ctgctgtgct acaacgtcgg tcagaaaatg aagagtttgt tgaagtggga agattggggc 60
 cttctgatta ttttggtgaa attgcactac tgatgaatcg tcctcgtgct gccacagttg 120


```

ttgctcgtgg ccccttgaag tgcgttaagc tggaccgacc tagatttgaa cgtgttcttg 180
gcccatgctc agacatcctc aaacgaaaca tccagcagta caacagtttt gtgtcactgt 240
ctgtctgaaa tctgcctcct gtgcctccct tttctcctct ccccaatcca tgcttcactc 300
atgcaaactg ctttattttc cctacttgca gcgccaagtg g 341

```

```

<210> 737
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<400> 737
aaaataaata aagaaaaaatc ttgtttcctt tggcatcttt agaaaataaa ctacagcaat 60
aaaaagaggt gattgtataa agacatgcgt aagcaaacat atggggaaaa aacagcaact 120
tgtgtttagt atgtaataat atcagctata agagtttact gttaattagg aaagccttac 180
aaatttttgg aagaaccttc acatctttta cattacaata tatttaataa tggttctttt 240
attgcttcta gtatcaagat tattgagaag tcaaatgaag ttatgctgac gttatgattc 300
aaaaattatc ttccaaacat ttaacgatta taatttaaga taaataacac ttaaagaaaag 360
caaacctttt ataatatgac tttcaatata cagccttact ttaattcagt ctgattccat 420
tacatttttg ttattttgta ttggtcttaa aaattt 456

```

```

<210> 738
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 469
<223> n = A,T,C or G

```

```

<400> 738
aaacaaacag aagattgttt ttccacatag catggattct ggagatgggt ggctaattgt 60
attggttcaa caactccacg gaggtagggg tcacgtcttg gatccttttg ccttaatctc 120
agtgtcgttt acttcatggt cccaagatgg ctgctgtatc cccaagaatc atgtctgcgt 180
tcaaggaagg aggggtggag gaagaggaag ggccaaacta gctggaccg tcaccttcta 240
tcagaaagta aaacctcgtc agaagtctgt ttctgtctct ctccctctgc atatcttcac 300
ttagatgccc ttggcccgag ccagctacca ttgcacctct agctgcaaac aaagctaaga 360
cagcagggaa cagaattgtc atggctgaat agaccaatcg tgttccatct actgagactg 420
gcacactgcc tcttgaata aaactgggat ccattacca agagagaang cagaattgtg 480
t 481

```

```

<210> 739
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 739
ccttgaaggg acctcagagc aaaggaagag acctgggtgt ggtgaggcat cccagggcat 60
ggaagggacc ggttgtgctg tgggaatcca ctggcccctc cttggttaaa aaagcacaac 120
acatcataca tatttaccag accagaagcg ctggcccaa gtctccctaa cctggtcggg 180
ggaacctcct gg 192

```

```

<210> 740
<211> 456

```

<213> Homo sapiens

taggtgcctt	attggtttat	gacattgcta	aacatctcac	atatgaaaaat	gtagagcgat	60
ggctgaaaga	actgagagat	catgctgata	gtaacattgt	tatcatgctt	gtgggcaata	120
agagtgatct	acgtcatctc	agggcagttc	ctacagatga	agcaagagct	tttgcaaaa	180
agaatggttt	gtcattcatt	gaaacttcgg	ccctagactc	tacaaatgta	gaagctgctt	240
ttcagacaat	tttaacagag	atttaccgca	ttgtttctca	gaagcaaagt	tcagacagac	300
gcgaaaatga	catgtctcca	agcaacaatg	tggttcttat	tcatgttcca	ccaaccactg	360
aaaacaagcc	aaagggtgcag	tgctgtcaga	acatctaagg	cattttctctt	ctcccctaga	420
aggctgtgta	tagtccattt	cccagggtctg	agattt			456

<213> Homo sapiens

ccagataagg	ctgacttcag	tgctgatgca	agttcccttt	tggtccttct	ctggtaggcg	60
aaggcaatat	cctgtctctg	tgcattgctg	cggttggtca	aaatgttgac	aatggtgacc	120
tcatccacac	ctttgggtct	gatggctggt	tcaatgttca	aagcatcccg	ctcagcatca	180
aagttagtat	aggttttgac	agacccatat	gcacttgggg	gtgtagagtg	atcacccctcc	240
aagctgagct	tgcacaggat	ttcgtgaaca	gtagacattt	tgaaggaagc	tggggccgtgc	300
gccgagagct	gagag					315

<213> Homo sapiens

<223> n = A, T, C or G

```
caagacctca ggcataagagt tcaagggcct tgcccacggt ttcagagcta gttcatattc 60
aaaagaaata aagaaaacag tgacttatcc cgctacccaa gcgtgtanag cgcgcgcgtg 120
tactgcttcc gatatgtgcc ncagagc                                     147
```

<213> Homo sapiens

ctgagagcat	taagaaccaa	atgactgtga	aagaatggga	gaaagtgttt	gagatgagtc	60
aagataaaaa	tctataccac	aatctttgta	ccagcctgtt	cctactata	catggcaatg	120
atgaagtaaa	acggggtgtc	ctgctgatgc	tctttgggtg	cgttccaaag	acaacaggag	180
aaggggacctc	tcttcgaggg	gacataaatg	tttgcaattg	tggtgaccca	agtacagcta	240
agagccaatt	tctcaagcac	ctgagaggat	tcagccccag	agctgtctac	accagtggtg	300
aagcgctccag	tgctgtgggc	ttaacagcac				330

<400> 750
 ccaagacagc taacaaggac cacttggtta cagcctataa ccattctttt gaaactaagc 60
 gttttaaggg tactgaaagt ataagtaaag tgtctgagca agtaaaaaat gtgaagctta 120
 atgaagataa acccaaagaa accaagtctg aagagaccct ggatgagggt ccacaaaaat 180
 atactaaatc tgttctaaaa aaggagata aaaccaactt tcccaaaaag ggagatgttg 240
 ttcactgctg gtatacagga aactacaag atgggactgt ttttgatact aatattcaaa 300
 caagtgcaaa gaagaagaaa aatgccaagc ctttaagttt taaggctcga gtaggcaaag 360
 ttatcagagg atgggatgaa gctctcttga ctatgagtaa aggagaaaag gctcgactgg 420
 agattgaacc agaatgggct tacggaaaaga aaggacagcc tgatgccaaa attccaccaa 480
 atgcaaaaact cac 493

<210> 751
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 751
 ccttattttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccattggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctgtt atccctaggg taactcgttc cgttgggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctcgagggtt gggttctgct ccgaggctgc cccaaccgaa atttttaatg caggtttggg 360
 agtttaggac ctgtgggttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt catgcccgcg tctt 454

<210> 752
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 752
 cctttcctac aggggtctgag aaggccaccg cagtcatttc ttcccttctg tcagacataa 60
 ttccctcagtt tagccttccc acctctatac agtctgataa cagaccagcc ttcattagtc 120
 aaatcagcca agcagttttt caggctctta gtattcagtg aaacctttat atcccttacg 180
 gtccctcgcg ttcaagaaaa gtagaacgga ctaaaggctt ttt 223

<210> 753
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 753
 ctgcagcgcg tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggtcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gcaaatgttg ggtgaacggc tgtttcctct tattcaagcc atgcacccta 240
 ctcttgctgg taaaatcact ggcattgtgt tggagattga taattcagaa cttcttcata 300
 tgctcgagtc tccagagtca ctccgttcta aggttgatga agctgtagct gtactacaag 360
 cccaccaagc taaagaggct gccagaaaag cagttaacag tgccaccggt gttccaactg 420
 tt 422

<210> 754
 <211> 502

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 496, 497
 <223> n = A,T,C or G

<400> 754
 ccatacttcgg accccccaac accctctacg aaggcgggcta cttcaaggcg catattaaat 60
 ttccctattga ctaccacctat tcaccaccta ccttcagatt cttgaccaaa atgtggcacc 120
 ccaacattta tgagaatgga gatgtatgca tttcgattct tcatccgcct gtagatgacc 180
 cacagagtgg agaactgcct tctgaaagggt ggaatcctac tcagaatgtg aggactatcc 240
 tattaagtgt aatctcactg cttaatgagc ccaacacctt ctccccagcc aatgtcgatg 300
 cttcagttat gttcaggaaa tggagagaca gtaaaggaaa agacaaagaa tatgctgaaa 360
 ttattaggaa acaagtttca gccactaagg ccgaagcaga aaaggatgga gtgaagggtcc 420
 ccacaacctt ggcggaatac tgcatacaaa ctaaaagtgc ctttcaatga caacagctca 480
 gatttgcttt acgacnctt gt 502

<210> 755
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 755
 ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
 atctcccccct tctccttttg gctggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
 aacctgaag tgcttgatat cacagaggaa actctgcatt ctgccttctt ggaggggtgtc 180
 cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccocat 240
 tctatcatca acgggtacaa acgagtcttg gccttgtctg tggagacgga ttacaccttc 300
 ccacttgctg aaaagggtcaa gg 322

<210> 756
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 756
 aaagaaaaaa agtaaatcca ctttatgggtg gacttcagct atggacaaat ttgggatcag 60
 tgttctccag tctgaacata gtcttctgtt acctgggaga gagtgggtcag gtactgccag 120
 ctcagggcag ccaaaagcat gacaaatgac aggtagatgg gggagtagtg gcttcgggaa 180
 atcagctgac agttgggaag attctgcgtc cggatggttg agatgatctg ccttggtttt 240
 ctagaagatg ggtctgagtc ggggattc 268

<210> 757
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 322, 354, 366
 <223> n = A,T,C or G

```

<400> 757
cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
tggggcggca aaaatttttg ggggtgggat ggagagagaa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcgtggg aacctagagt gggagagatt aagctgaatg 180
gaagatcttg tggttaagggg tgatattgtg gggttgttag aagaaacatt tgctgtatag 240
aatgattggt gatggcctgg atacggtttt gtatgaattg aaaaatggaa taagagaagg 300
agagaaacag gtataaaagg tntaagaatt gggaggacct agacatctga ttanagagtg 360
cctaangagg ttcagcatag tccttccagg a                                     391

```

```

<210> 758
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 450
<223> n = A,T,C or G

```

```

<400> 758
ccacagctaa catcattgca gcacctttac tccttcggct tctttttgcc agcaccaaca 60
ttggcctttg cagtcceccct gactttcttc attctgttct tgcgttcctt tcgttgcttt 120
cttgaggtct ttttcttctc atacaggcca tgtcttgcaa gtctatgttt gggttcattt 180
ttctttgcat aatccaggga atcataaatc atgccaaagc cagttgtctt gccaccacca 240
aaatgagttc tgaatccaaa taaaaagatg acatccgggt tggctcttga cattttggct 300
agtttttccc gaatttctgt cttaggcact gtcgccttcc cggggtgaag gacatcaatg 360
accatttggt tcctctgaag tagtcgggtg gtcatgaact ttctagtgcg gatagttacg 420
gtgtcgttca tgatggcgat ctatcttcan                                     450

```

```

<210> 759
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 759
ccagccatct ggtttcagcc ggaagctaac accctcattc tgagtccagg ctagtgggtg 60
gtggctgagg acccagttgg ttgaggagtc caactagaaa ccaggagagg tagcagaata 120
attaaacccc tataggggtg gcaagggcct ctggccctgg gtggaatgtc ccatttcctt 180
catcactgag tgggcttccc caaggcagaa aggtttgtcc cggagcaaga attttgtttg 240
aatgcgtgta acttaaatta acctgtgtga cctctgctca gctccgctcg gctctgcccc 300
atgagctcca tccaggctcc gcttgccggg ggaagggtc ccttagaagc cggcaatgag 360
ctccatcccc acgcggtgcc agtgtgcctt ccgctcacc ctcggagggg tgatgaagg 419

```

```

<210> 760
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 760
ctgaggccga gcccaactag gtccctggga cccctgcagg tgggagtggg ccttgctctc 60
ctggtatcca gcagacaccc ccctctcccc accagcccca ttctcaggtc ctttctctct 120
tgtcaccaac accaagaatc tgtccagggt tcttggttta tcttttatct cttttcactc 180
ctagagagga attgcaattg actcagaatg acacattttg gcaccacgtg tgtagaaaagc 240
ccccactggt agatgatagc ctcgtgaaat tcatgtttct gtattctcct atttcttttc 300

```


<223> n = A, T, C or G

caggctggt	ctcaaactcc	tgacctcagg	tgatccgcc	accttgacct	cccaaagtgt	60
tggtattaca	ggcaggagcc	accgtgcccg	gccgaatctt	attcttactg	gttactgtag	120
aataatttca	gtcctgtccc	ttatgattct	gaatccaatt	atataaagga	aaataacttt	180
tcatgtgaat	gtaaaatgtt	tacacacata	agtaagacag	tttacaagac	aaactggtct	240
acacagacaa	aggtctatat	taaagttcaa	tctggacct	agaattcttg	tcatggacct	300
cttgtgaaga	gtctgcccta	ctcaggaatg	ggcacatggg	ttaacaattt	tcacttattt	360
actgagggag	tggagtatat	atgtagggag	gtgaaattac	cattcctggg	aataaatgta	420
ggattttaat	ngaatgatag	aattttattgt	acaantcaca	ttggtgagtc	ttattcaggt	480
attaggctta	actattttaga					500

<213> Homo sapiens

ctggttcac	tgtcaggtg	attatcctga	accatccagg	ccaaataagc	gcgggctatg	60
ccctgtatt	ggattgccac	acggctcaca	ttgcatgcaa	gtttgctgag	ctgaaggaaa	120
agattgatcg	ccgttctggt	aaaaagctgg	aagatggccc	taaattcttg	aagtctggtg	180
atgtgccat	tgttgatatg	gttcctggca	agcccatgtg	tgttgagagc	ttctcagact	240
atccaccttt	gggtcgcttt	gctgttcgtg	atatgagaca	gacagttgcg	gtgggtgtca	300
tcaaagcagt	ggacaagaag	gctgctggag	ctggcaaggt	caccaagtct	gccagaaaag	360
ctc						363

<213> Homo sapiens

gtgcaaccga	gagacaacat	tagattagct	gtgcactttg	caagaagagg	ggaagaggac	60
aatacgttca	tcttgagagc	tgcttctgag	aacctcaggg	aagaagtcta	gaaccctgat	120
ctacataaag	tgacagatga	cggactcggt	gtggaggact	cctgaagtag	tgtccctgat	180
tagaatgctg	atttcttccc	caaaggtgat	gtgggcacag	aactgagctg	tgtgaatggg	240
aggccaaata	agctctgctg	aatttgctct	ggcagcccaa	gtccttaagg	tgagg	295

<213> Homo sapiens

ctggttatcc	gagaagttcc	gaggattctc	cttggatttc	ttagggaacc	agttgggatac	60
ccagagagaag	agcccatcat	ctcgggctac	tgccagccca	cccagattca	tcagcgtcg	120
ctgcacacag	gccatgttct	ttccttccca	gaggtccaca	gtttggaaga	tgtcagtggt	180
gttaatgcc	tagcgctcag	acctgccgg				210

<212> DNA

<213> Homo sapiens

<400> 768

```

ccaattgaaa caaacagttc tgagaccggt cttccaccac tgattaagag tgggggtggca 60
ggcattaggg ataataattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagacctgc 460

```

<210> 769

<211> 251

<212> DNA

<213> Homo sapiens

<400> 769

```

ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacgggtttct 120
atttcttgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt c 251

```

<210> 770

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 478

<223> n = A,T,C or G

<400> 770

```

cacgccgccg cttgtgctgc agccatgtct ctagtgatcc ctgaaaagtt ccagcatatt 60
ttgcgagtac tcaacaccaa catcgatggg cggcggaata tagcctttgc catcactgcc 120
attaaggggt tgggccgaag atatgtcat gtggtgttga ggaaagcaga cattgacctc 180
accaagaggg cgggagaact cactgaggat gaggtggaac gtgtgatcac cattatgcag 240
aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga tgtaaaggat 300
ggaaaatata gccaggtcct agccaatggt ctggacaaca agctccgtga agacctggag 360
cgactgaaga agattcgggc ccatagaggg cctgcgtcac ttctggggcc ttcgtgtccg 420
aggccagcac accaagacca ctggccgccg tggccgcacc gtgggtgtgt ccaagaanaa 480
ataagtctgt agg 493

```

<210> 771

<211> 552

<212> DNA

<213> Homo sapiens

<400> 771

```

aaatatgaat ggcaaatttt ggttttttagc ttttacattt tattatctta attttataaa 60
tgctaataatt tcttttgtga taagttatag catctcataa agtttggtct atttgaagtt 120
tttttagagta cttgagaaat gaatttagtc tgcaggtagt aagtatgcta ctaaaatacg 180

```

```

ttagatctaa atccttttat ttggtataaa aatgcaatat tgagaatcaa aacttgtttt 240
taagagaact atagattcta cacaacctga tttcaagtaa ttattcatag tatttatagt 300
tgtcttggca aagtgattgt aaaattctgt aggacctatt cacacttctt ccttcttcca 360
tatacttctc tggttttccc catagttccc ctataatttc aagtttggtg aaacctgtta 420
atttttagtgg gggattagaa gaaaaacttg gtggtttctt agcatgatgg tgtatgtatg 480
tggtaatgga aagtctgtaa aagtaaatat agtgtagcaa aaaagatttc actgagtatt 540
ttagatacta gt 552

```

<210> 772

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 444, 486

<223> n = A,T,C or G

<400> 772

```

aaaatttcat cataggaatt tgggtgacct tttgcaactca gtattaaaaa aaaccatcaa 60
gttgctcttt ggaacagtag catttaggtt tgtttttttt tttttgtcac acttgtttat 120
ttctttggga tgttgctgtg tgtcatggaa gaaacgctcc cctgaaaact gtaaccaaac 180
aaagtttggg taaaacaaag ttggttcctt tgttttcatg gaaatgtcag acaactatga 240
aaagctaagg aagcatgttg aactgaaggt ctggccttgg taaattaggc agagatgttc 300
tcagcagcaa acaggtaaaa tctgacatcg agaagcatta ttttaatgta ggaccagtta 360
taatcttaaa gaactgacta ggttctaaaa taatagaact gagaaatagg actgagaaat 420
gaccaacatc aagtataata cggnacactt agcacttggt tctatagaaa acatttcaaa 480
tcaagnt 487

```

<210> 773

<211> 490

<212> DNA

<213> Homo sapiens

<400> 773

```

ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
cttcatgggt catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
ccaccatacc gggtttgaga acaccagtct ccaactcgcc aacaggaaca gtgccaatat 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtcaga gcctcaagca gcgtggttcc actggcattg ccataccttac 360
gggtgacttt ccataccttg aaccaaggca tgtagcact tggctccagc atgttggtcac 420
cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaagtgt 490

```

<210> 774

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422

<223> n = A,T,C or G

<400> 774
ccactagagg tctgtgtgcc attgccagg cagagtctct gcgttacaaa ctccataggag 60
ggcttgcgtg ggggagggcc tgctatggtg tgctgcgggt catcatggag agtggggcca 120
aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgatc cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
ggggcccaac tggttaagatt ggccctaaga agccctgcc tgaccacgtg agcattgtgg 360
aaccaaaaga tgagatactg cccaccacc ccactcaga acagaagggt gggaagccag 420
anccgcctgc catgccccag ccagtcccca cagcataaca ggtctcctt tggcag 476

<210> 775
<211> 419
<212> DNA
<213> Homo sapiens

<400> 775
ccagcttctt gaccagtttt ttattcttgt tgagtttttt cagcgctctg atgtccatgt 60
gggggatatc cacggcctta gcctcgtcac agtgctgctg gtccccagg acacacacag 120
agaacttagg gcggggagtg gacttaagcc tgacggtgcc cgagaagcgc ttgtccttct 180
ggggatcata gttcttcaag ctgatctgca actccaccgt ctccaggaac ttgcggcgct 240
tgcgccttta gtgatgatga ttaaagggtg tggctgtggc cttgaaaata gtcatgtgaa 300
aactcatcac cttaagggtg taagtgtgag gatcttcacg atgaaatttc tgtaaattgt 360
gcagtcagcc tcagtttcca aagccggaaa aggatcctct agtagccacg gtgtggcag 419

<210> 776
<211> 400
<212> DNA
<213> Homo sapiens

<400> 776
ccacagacgt cattcgtctg actccctggg cactaaatga gtgtctagca tccttaaggc 60
tgctcaacac acagccccag actctgaata tgattccaag aaatattctg aaaaagtca 120
catcgtctgga ataaacagtt tccaagata actgctttga aaaccagtcc cgttagtttc 180
taaaagccca cctacggcac ctcccttcca tcagagtctg ctgcccgggt gggctgggaa 240
ggagggagat acaaagaaga aagtaggcat gatcactggg tcggttccca agccaccctc 300
accctccaag aaggcatgaa tggaacaacc ccgagaacag agcacgtgtg aagaaccaac 360
acgacaggca cgggatggca gcactggtg aagggaggca 400

<210> 777
<211> 398
<212> DNA
<213> Homo sapiens

<400> 777
ccaaaggggt ctctagctgc tgctctgctg ctccctgctca tggatgagtt tggcgatggg 60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcatgatt 120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
gtggttcagc tctttctgga gcactctcgc gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ttagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcagtctg acatctccct gcttcgcctg ctggcggggc ctgctgcctc 360
agtctgcctc ctctccagca gggctctggg gcctgggc 398

<210> 778

<211> 462
 <212> DNA
 <213> Homo sapiens

<400> 778
 atcgccatca tgaacgacac cgtaactatc cgcactagaa agtccatgac caaccgacta 60
 cttcagagga aacaaatggt cattgatgtc cttcaccccg ggaaggcgac agtgcctaag 120
 acagaaattc gggaaaaaact agccaaaatg tacaagacca caccggatgt catctttgta 180
 tttggattca gaactcattt tgggtggtggc aagacaactg gctttggcat gatttatgat 240
 tcoctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca tggcctgtat 300
 gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat gaagaaagtc 360
 agggggactg caaaggccaa tgttggtgct ggcaaaaaga agtgagctgg agattggatc 420
 acagccgaag gagtaaaggt gctgcaatga tgtagctgt gg 462

<210> 779
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 779
 ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattggtggt attggtactg 60
 ttctgtttgg ccgagtggag actggtgttc tcaaaccgg tatggtggc acctttgtc 120
 cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
 ctcttctctg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
 atggcaacgt tgctggtgac agcaaaaatg acccaccaat ggaagcag 288

<210> 780
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 780
 gggcaacaag agcaaaactt cgtctcaaaa aaagaaaact ggctagaatg cacttcaact 60
 taagtccttg gagctacgct aattcatgga gaaccacaga ggtttaatag gcattttctat 120
 acctggatca gcccgaagga cagtattacc ctgtactgcc ctctctatta ctattttcag 180
 tcatttacta atattgggct gtagtacttt cacgtttaag ctttggctat tcagagctca 240
 ctacgtttta tcttcagtta cctgaatggt gtttaccttc tgggtgtggat catcccggt 300
 tgtgttagtg ctctctcttt ggaagaagcc aggatttaag atcgagttag cctagatgtg 360
 gccagcagg gtacagaagg ggaaaggctg cagaaaaccn ggcgatattt cgtgcaaaga 420
 ggtttttgcg ccattttatt atggttttca ccgtcgtatg agaggaccag 470

<210> 781
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 99

<223> n = A,T,C or G

<400> 781

```

aatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtag 60
ataaggttca aagtttccct tccttttttt atttatttna tattttgcaa tgtttttttt 120
ccataatatt taagtttttc gatgtttaga tatttttctt cgggtgaagca caagtttctt 180
ttcatgggtcc ctgatcaatt ttaaacagtt ggaacaccgg tggcactgtt aactgctttc 240
tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcac acaccttagaa 300
cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
atgccagtga ttttaccagc aagagttagg tgcattggct gaataagagg aaacagccgt 420
tcaccaaca tttgcttttg ctcttgagga ggggcagatg ccaacatgga agcagtcaaa 480
ggttcctgac cttgtacatg aacagcaggc tgttgcatg 520

```

<210> 782

<211> 437

<212> DNA

<213> Homo sapiens

<400> 782

```

caggtctgca tacctgcaac acttatgcta ccgcaatgac aaggtgaaga ctgacgtgcg 60
gaagctcaag ggcattcccag tactgggtgg attgttagac catcccaaaa aggaagtgca 120
ccttgagacc tgtggagctc tcaagaatat ctcttttgga cgtgaccagg ataacaagat 180
tgccataaaa aactgtgatg gtgtgcctgc ccttgtgcga ttgcttcgaa aggetcgtga 240
tatggacctt actgaagtta ttaccggaac cctgtggaat ctttcatccc atgaactcaat 300
caaaatggag attgtggacc atgcaactga tgccctgaca gatgaagtga tcattcctca 360
ttctggttgg gagcgggaac ctaatgaaga ctgtaaaacca cgccatattg agtgggaatc 420
ggtgctcacc aacacag 437

```

<210> 783

<211> 492

<212> DNA

<213> Homo sapiens

<400> 783

```

aaaagttgag gagtttatta gggaaatat agaggcatag acactccaag tgacagaaaag 60
aaaagtctga aaatgtccct tcaagccaag tgggggcctg gccttgacct ctccaaatca 120
acaagaaact ggtgggttag caacaacatt ctctggcagc cacattgcca gggcatgagt 180
gtcttgacca ggactgcccc gcacttccca ccaaagggtg ggaggagaca aagactgttc 240
acagaagcag tgcaaaggca atgagaactt taaggaaagt ttgagagaga gagaaagaaa 300
gatagagggtg aggaggacct tcacaaagag tcccaggctt ttggctgtga atgtctcaaa 360
tacattgaca agtagatgta taaaatgtta ctgaaaagggt aaaatgccta acgtcgtttc 420
caacggttcc tctgaacttc ttcccacata ccacaccaca ccccatattg cagagcccaa 480
aggccacact tt 492

```

<210> 784

<211> 516

<212> DNA

<213> Homo sapiens

<400> 784

```

ccaaaagaag taagacagct tgctgaagat ttcttgaaag actatattca tataaacatt 60
ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt gtgtcatgac 120
gtagaaaagg atgaaaaact tattcgtcta atggaagaga tcatgagtga gaaggagaat 180
aaaaccattg tttttgtgga aaccaaaga agatgtgatg agcttaccag aaaaatgagg 240

```



```

<400> 788
ccttcttttg ctccacctag tatgataatc atgggttctg ttttagttga tgagaagtgg 60
ctcctatgaa tgcctctgct caatttcttt ttatttttact ttatttttatt tttaggggtc 120
tcgccaactc ctgggctcaa gtgattctcc tgcctccacc tccccacagt gctgggatta 180
caggcatgag ccaccacgcc tggctctctg ttcttttcag tgtctccgtg ccatcagtca 240
gcagtgccta catgttttagc atattgtcat gcagtttctc ttctgttccc acgagatatt 300
tttgacaaaa aaattgacaa aagtacatgt gtttttcccc acctatccct tagaaaacct 360
aatgtgtact gctattttt 379

```

```

<210> 789
<211> 262
<212> DNA
<213> Homo sapiens

```

```

<400> 789
ccaaaaaaat taaacaaaat ctcttggttt cctttacagt ttcttttttt gcgtttttatt 60
tttttcaaat tgcattttac agtagaaatg cagaccactt tggatagcta tggctcgata 120
cttctgggtg ccctcctcct aagacatcct cttcttacat tccactgaac agaaaacct 180
cccttctact ggcatagaat tctgccaat gaggcatttg ctgcagcaag agcacagaaa 240
gcactctgtg gatgcatgcc ag 262

```

```

<210> 790
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 790
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaa 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggaacctg 180
gctgtatttt ccatacctta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgacac acgttccacc tcatacctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacac 365

```

```

<210> 791
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

```

```

<400> 791
ttggtgctcc ccctgtgatg agaaaagggt tactgttgca ggtgctaagg aaggctgctc 60
ttctgtcact ctgaagttgc ttggagggat gtccccatgc agactctctc ccagccctcc 120
actcaggga ggtctgtctg taccactgct cctctatagc agaaaacttg cactcctgaa 180
tgcttttttt tttttttttt tcaagaaaga agtggctgtg gactcaacta gattcttggt 240
ttgaaaaagc caaacatat tggatcactga ttgtcacatt ggggtanaaa tgtccattca 300
tgatctccct taagctgcac acaaccctat gaaataacta ccattatcta cctatttttg 360
ctaaagctca aagagattaa ataatgttga cagggatcct agccttgaac tcaactgaagg 420

```


tgttta

425

<210> 792

<211> 427

<212> DNA

<213> Homo sapiens

<400> 792

```

gtctttacaa aattcctgac aggtggttac tgaatctctc tatgaacttt ccattcaaaa 60
ctttccaagt ttttccttat gtggaaccga aatctttctt tctcccgta aactttacta 120
ctatcagata attgaagaca gatctctttg tattctcttc aagcccaaac caattctgtt 180
cettcaatct aaatagtggg aatatgaatg ttttaagaaat gaaataagaa acatgtgcag 240
gcactttgga aggtgctaag tgactgccct aaggaatgaa aagcaagggc caggtgggag 300
tagcccagcg aaggcacttg ggctgccagg aacaggaggc gtgggaaact ctggcttagg 360
aaaacatgaa cacaggggca acagaggcaa actgttggtc gagttaata taaatctcag 420
gctcttt 427

```

<210> 793

<211> 253

<212> DNA

<213> Homo sapiens

<400> 793

```

aaatccacta gccatgctca aaaaaaata ttcttcatgt ttttaatttta tacaatggct 60
agcaggcacc ttagtaacca gccagaaatc aatttcaacc accatcaacc cctaaactac 120
agtaccagga tggctggcta aagaaaggaa acggactggc tgcagtctga cgcgtgccca 180
gtacaagggt tctggctgac tttgtcctaa ataaggctaa cattagtga ctaagaacag 240
cgtcacgtgg tgg 253

```

<210> 794

<211> 373

<212> DNA

<213> Homo sapiens

<400> 794

```

gtccctatga attgtacgtt tcagagaaat tttttttcct atgtgcaaca cgaagcttcc 60
agaaccataa aatatcccggt cgataaggaa agaaaatgtc gttgttggtg tttttctgga 120
aactgcttga aatcttgctg tactatagag ctacagaagga cacagcccggt cctccccctgc 180
ctgcctgatt ccattggctgt tgtgctgatt ccaatgcttt cacgttggtt cctggcgtgg 240
gaactgctct cctttgcagc cccatttccc aagctctggt caagttaaac ttatgtaagc 300
tttccgtggc atgcggggcg cgcacccacg tccccgctgc gtaagactct gtatttggat 360
gccaatccac agg 373

```

<210> 795

<211> 442

<212> DNA

<213> Homo sapiens

<400> 795

```

aaaagtagtt agcatttaat gaaactccct ccatgtggct tcaagccacc aggacacagg 60
ccccccaac actcttaatc ttctcctcag ctcttctgct gaagaatttg gccttcacga 120
tgacaggctg ctttgggagc tttccctttc ccagaacttt atagtagccc gatcgcacca 180
catcaatgat gggagcagcc ccagtcttgt ttttagcagc attcaccogt gtctgttcac 240
tgaccaaaagt ccacaatttg tcaagggtga cagttgggca gaagctctgg ttctctttta 300

```

```

agtggtaatg cttcatacca actttcccaa agtagcctgg gtgggtatttg tcgaagtga 360
tccggtggtg atgcagacca ccagcattac cgcggccgcc ggggtgcttc cggtgcttgc 420
ctatgcggcc gtggccgtgg ct 442

```

```

<210> 796
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 316
<223> n = A,T,C or G

```

```

<400> 796
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60
ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
cgaaggagat ctggtctccc acaatgaagg tcttgccctc ctggttcttg gacagcaggg 180
tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattccttg cccgcctcat 240
agttggtgta gatgaggag atgtatttgc agcggaggtc ctccacgcog tcattcacca 300
tgtccaccag ggctgnctcc tgctggctct tcccatagag cccaagggtg cggeccag 358

```

```

<210> 797
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 797
aaaattaaaa tttaatcccc tccctccagc acacaaaaaa aaaaaacaca caacattaga 60
ggaatgccaa aaatattctc tat 83

```

```

<210> 798
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 798
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagaggggtg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactggttc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatggctctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgagc cagcacacca agaccactgg ccgcctgggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 799
<211> 67
<212> DNA
<213> Homo sapiens

```

```

<400> 799
cctcccaagc ccagggtggac aagtcagact atgacatggt ggattatctg aatgagctaa 60
gggaaag 67

```

<210> 800
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 426, 427, 454, 456
 <223> n = A,T,C or G

<400> 800
 cctacacgat ttactgccaa aacagagtgg agtacgagaa aagggtccga gcacaagcca 60
 agaagtttgc gccctcataa gcagcgacct tgtggcatcg tcaaaaggaa gggattgggt 120
 tggcaagaac ttgtttacaa catttttgca aatctaaagt tgctccatac aatgactagt 180
 cacctggggg ggttggggcg gcgccatctt ccattgccgc cgcgggtgtg cggctctgat 240
 tcgctgaatt gcccgtttcc atacagggtc tcttccttcg gtcttttgta tttttgattg 300
 ttatgtaaaa ctgcgtttta ttttaatat gatgtcagta tttcaactgc tgtaaaatta 360
 taaactttta tacttgggta agtccccag gggcgagttc ctgcgtctgg gatgcaggca 420
 tgcttnntca ccgtgcagag ctgcacttgg cctnan 456

<210> 801
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 801
 ctggagacac tttagaactc tttccccatc ctccaccata gtgcaaaactt cagcgttctc 60
 tgagcacctc caaggtatgc ctttgaagtg aaacagaaaa ggaagaaaag ggggcttttt 120
 cttttccatt tctgaccaa cagaggtctg aaat 154

<210> 802
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 802
 ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
 gacctcccc caccceaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
 attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
 gtctctccca gcccggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
 gctggacact caaggttttg gagtataagc accccacttc tggtcaggg atttggggag 300
 tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
 caggggtggg gacaggggaag gaggtagggc caggacagag agcatttcac atcactaacc 420
 taacttggga agctgtaagg gaccat 446

<210> 803
 <211> 573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 514
 <223> n = A,T,C or G

```
<210> 804
<211> 359
<212> DNA
<213> Homo sapiens
```

```
<210> 805
<211> 410
<212> DNA
<213> Homo sapiens
```

```
<210> 806
<211> 522
<212> DNA
<213> Homo sapiens
```

<400> 806						
cctgctgggc	ttggcaacga	gggactcggc	ctcggaggcg	accgagacca	cacagacact	60
gggtcaagga	gtaagcagag	gataaacaac	tggaaggaga	gcaagcacia	agtcatcatg	120
gctttagcgt	ctgctcgtgg	aaaccaagat	aaagatgcc	attttccacc	accaagcaag	180
cagagcctgt	tgttttgtcc	aaaatcaaaa	ctgcacatcc	acagagcaga	gatctcaaag	240
attatgcgag	aatgtcagga	agaaagtttc	tggaagagag	ctctgccttt	ttctcttgta	300
agcatgcttg	tcaccaggg	actagtctac	caaggttatt	tggcagctaa	ttctagattt	360
ggatcattgc	ccaaagttgc	acttgctggg	ctcttgggat	ttggccttgg	aaaggtatca	420
tacataggag	tatgccagag	taaattccat	ttttttgaag	atcagctccg	tggggctggt	480

tttgggtccac agcataacag gcactgcctc cttacctgtg ag 522

<210> 807
<211> 327
<212> DNA
<213> Homo sapiens

<400> 807
ctgctgccct tagagcttgt ggacaaatgt ataggatcaa gaattcacat cgtgatgaag 60
agtgataagg aaattggttg tactcttcta ggatttgatg actttgtcaa tatggtactg 120
gaagatgtca ctgagtttga aatcacacca gaaggaagaa ggattactaa attagatcag 180
atthttgctaa atggaaataa tataacaatg ctggttcctg gaggagaagg acctgaagtg 240
tgaatgagtt tccttgactt acactagatt ttgttttggc ttataatgac aagaaaatgg 300
aatttttttt cccactttct aatgttt 327

<210> 808
<211> 188
<212> DNA
<213> Homo sapiens

<400> 808
cgagcggcgg cccggcaggt ccttatccct gtaagtctat taaatgtaaa taatacatat 60
tttacaactt ctcttagtcg gcccttggca gattaaatct ttgcaaaatt ccatatgtgc 120
tattgaaaaa tgaaataaaa cctcagatgt ctgaattctt atttcaaata cagttatata 180
attatttt 188

<210> 809
<211> 416
<212> DNA
<213> Homo sapiens

<400> 809
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tgcagtatct cagaaaagaa gacatggaat atgccttgcg 120
taaactggat gacaccaaat tccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acggtctcgg tctgggtcaa ggggcogtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttt tttatttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttagtgtctt aggaaatttt ttttaatttt tttttt 416

<210> 810
<211> 539
<212> DNA
<213> Homo sapiens

<400> 810
ccactctttc atggtggttg cagcagttac cagtaatgag cattagactc tgggggatag 60
aacacgggct gccctgagag cttcatgttg gagctgaagt tcaaggttca cttccttttg 120
gtttgtactt gacccttctt catgtgtctc tcccgttccc tctaaaacaa gtgtgtttcc 180
cctcattttt gaggtgtgca atggtgtgag agccaggatc atcacggggc ctgaggtttt 240
actccagaaa agcagaggag tggcaacctt ggcttggggg ttggcagccc aggaaaggca 300
gggaggagag ctcaaagccg gtttcatgtt tcacccaagg tctaattgtg ggagaggaca 360
aatccagatc ccctgtttga cagaattagt tcacaaatgt ctcttggcaa aaacatgtga 420
cacctaacca tgataattga cttaatccaa gaaagagctc tgtagggcag agcaatagga 480

aatctctctt tcgttatgga aaaaaataa tccctctaca tagaaactga gtgacatgt 539

<210> 811
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 811
 ccaattgaaa caaacagttc tgagaccggt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagctctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 812
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 510
 <223> n = A,T,C or G

<400> 812
 cgctcctgaa ggagaagagg aagcgacgcy aggagctggt catcgaacag aagaaaagaa 60
 aactccttcc agacactatt ttggagaagt taaccacagc ttcacagact aacatcaaga 120
 aatcgccagg aaaggtgaaa gaagttaatt tgcaaaaagaa aaatgaagac tgtgaaaaag 180
 gaaatgactc caagaaagtt aaagtacaaa aagtacagtc tgtcagccag aataaaagct 240
 acttggccgt aaggctaaaa gaccaagatc tgagagattc aaggcaacaa gcagcacaag 300
 ccttcataca taattcatta tatgggccag gaaccaacag gactactgta aataagttcc 360
 tgtctcttgc caacaagagg ttaccagtga aaagagctgc tgtccagttt ttgaataatg 420
 cttggggaat ccaaaaaaaaa caaatgccca agaggtttta aagacgggtg atggtcagaa 480
 agatgaaaac taagaagtaa atcaatgctn aatgaag 517

<210> 813
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 813
 ctgtttttac atctaaagca atagactaga actgaattat cttctacata gtaaaatcac 60
 aattgtggaa ttacaggaat tctggtgata ttaaggtgaa ataacaaaac acaaaaggcc 120
 ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
 tgcttctcca ccaaataagg gctttttccc ctatttaagg agccagatgg attgaaagat 240
 gtggaaatag gcag 254

<210> 814
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395, 405, 437, 455
 <223> n = A,T,C or G

<400> 814
 cctattgggt atcaaatggg gcacagtgt gctgcctctt aaaaagttgt gaggaatgag 60
 ttagaactgg atctgaagtc ctcaggtaat aggcattggc atgactgggt gactttaagc 120
 attgttgctt ctcaacttgc tttgtatcct cagcagtcac accaggtgct cttgggtcca 180
 ttcagactct tgggttctgc tcttgaccat ttgcaaaga gttctgaacc ttcattgggca 240
 aggtcaagca ccctgtgact gggggagaac ctttgaacct ggagtgtggg cctgggttcg 300
 ccccgatcc ctgtccattg cttgctgtgg gccttggttt ctttatctgt aaaatggagg 360
 taatgcctgg attacaaggc tgcataaagg atganagggg acaantgagg gtacttttta 420
 atgaaagcat tcttgtnacc accagggaac catantcagg 460

<210> 815
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 815
 ccagtatccc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaatggg 180
 gttcctgctg caaggaactt aaggacatcc tctccttca ttgacaggac atcaagggct 240
 ccggacattg tgaataattc ctttaagtt acgacgggaa tccagaacaa cgccg 295

<210> 816
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 816
 cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt gggtctcagg 60
 gtttggtata attttttatt tttatgggct ttgggtg 96

<210> 817
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 817
 tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
 catctacaaa atgccagtat caggcggcgg ctctgaagcc aaagtgatgt ttggatgtaa 120
 agtgaaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataatacgt 180
 gaagtcctgt gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
 tgaagggaga ctgaagtac tctgaggctt gtaggagggt aaaatagaga ccagtaaaaa 300
 ttgtaataag cagtgttgga attatttggg ttccgttggt ttctattaga ctatgggtgag 360
 ctcagggtgat tgatactcct gatgcgagta atacggatgt gtttaggagt gggacttcta 420
 ggggatttag cgggggtgat cctg 444

<210> 818
 <211> 481

<212> DNA
 <213> Homo sapiens

<400> 818
 aaaaagcaat cctcaaactc tctagccaca gcagtaatta agattaaggt ctgtcagtgg 60
 gctgatcccc tccaggtagc ctccctcact ccaagagaag atgtagagaa atatggatga 120
 cacatgcttg cattgttttt gtgtcaaaac acacacaccc acacacacac acaatataag 180
 gcagcccaaa ggtctgtggc agaaaacact gcaaatgact cagtgatata ctacatttgc 240
 aatctctcat ttatacaaaa aaagaaacaa gtttccagtt tgttttcaac aaaaacaaca 300
 aagaaaaaag ggatggacaa aaaggcattt atacaaatct aggggtgagga atacaaagaa 360
 acttgctttt aataataaaa aaagattaaa gagataaata aaaaaaaact ggttacagtt 420
 aagaacataa ttttaacaaca gatggccata ccttttgagg aaagctccaa caacctattt 480
 t 481

<210> 819
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 819
 ctgggcacag tccagttctc agcagtaatg acagaaatga aggaaggaag ctccagaatga 60
 gtgcacgggg gaaatgggtt ttgctgatgc atttccaggg ccggccgtac tctttgtttt 120
 ggcacacttt tcctgacaaa cagccagtg tctcaacaca taaatactag tccacgttaa 180
 caacaatagc atatgagacc gctctccgta aagatgccag attggatgca aatggactgg 240
 aaataccttg gagggtttca caaaaaataag acaaagggca aaggaacttt gccaaaggag 300
 atggagagca attcttt 317

<210> 820
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 272, 326, 352, 381
 <223> n = A,T,C or G

<400> 820
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaaatata cttccattaa atattaaata aattatttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaaagn gacaattgaa agtttaaaac 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gngatatacct gtaattttat cttcagttat 300
 gctatagcat gtacatttcc attctnntgt cgaagtttct ttcgttcctc ancttctcct 360
 tcatatttcc tgacgtattg ncttctaagc tggactgtaa taacagcaac ag 412

<210> 821
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 185, 186, 194, 195

<223> n = A,T,C or G

<400> 821

```
cctcgggtgga catcaggcgc aggaaggtca gccaaagagga atcagaaacc tgaagttaga 60
aaggctcaac  gagaacaagc tatcagggct gctaaggaag caaaaaaggc taagcaagca 120
tctaaaaaga  ctgcaatggc  tgctgctaag gcacctacaa aggcagcacc taagcaaaag 180
attgnaaagc  ctgnnaaagt ttcagctccc cgagttgggtg gaaaac 226
```

<210> 822

<211> 552

<212> DNA

<213> Homo sapiens

<400> 822

```
aaacaaattg cagagaatag agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tggtgacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
ctctacaaca aggggtacat ctgcagacat actgagtgtc accggtgaag agagtggagt 300
ggcttttgta aagaagttca ggtacctcag tgcaaaaagt agttgaactg gttcattcat 360
ctctatggta acagcttcct cctcttatcg acattacttg tctgtgacaa tttaatgttt 420
ccatttccaa gttctccact tgcagaaaat ttcactccgt cttttgcaca ggaaattaca 480
acagcatctc caatatggct gagatctcgg catatacgtg caaattcacc agaaggcatc 540
tttactacac ag 552
```

<210> 823

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 49, 151

<223> n = A,T,C or G

<400> 823

```
aaattgaagc gaattaaata ggattttact actcaacatt cattatacnt gttaatcttt 60
getgaaatat atgctaacaa atgttaagca agggaaactg aagacttagt catgtggatt 120
gttagcagtg atctgcattc tgtaaaagag ntactttccc atgatgtagg catgaagtgg 180
taccagtaag cgtacagcgg aaatgttgac tttagttaac attgggttta gcatttccag 240
tgcagcatta tcagtgggcc ttt 263
```

<210> 824

<211> 328

<212> DNA

<213> Homo sapiens

<400> 824

```
aaaattagtc atcttacaac acaacagtat tctagcacgg tggcgaagtg acaggcggca 60
gatacggggg aggaaggaga cgttcacggg aaattccaca ttctactcta tgtgaactgc 120
tccagaaaaa tacagacatg atttcacagt aggattccca gagtaaatga tgatacatag 180
gacaactgac ctctcttaag aagcccggct ggggcagcag tgagcttttc atggagccac 240
gcagactggc ccggaagcaa caccaggtt caacatttaa gagcaactgc tataacattc 300
tttttgagac caggtggtgg aaaagttt 328
```

<210> 825
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 825
 ccacacaagt ttcgaagacc tactcccaag gaaaccaagg acacaatgac cttcaagaca 60
 cagacagcca ggaacagggc acggattgct gtgaacaact tcctcagcat ctgcatgtaa 120
 gctctacact cctccttctg ccattgggtc tcttgacttc gccgcataca tctgtaccca 180
 gtggtaggga agacagggtc tgagcgatca cacacagtgt cgatgtataa aaagggttca 240
 gtttgccaga tgaagctatt cacgcagagg acaacagcag ccatagctgt agcaaagcct 300
 gtcagggtga gcaggctgga tatatagcca gcaagtttgc ccgggtgctt ctcatggaca 360
 atggccccag ctctgtctgc gatcaccaca gaccccgccc agaaggcaca gcctgaggca 420
 cgcagcacag tccaggggccc caagctgaga cacactccaa gaacacaact cacaaccccc 480
 agcaatatct gagtcacccc tagagccag 509

<210> 826
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 826
 ctgtaacagg gctgccttca ctccggcatg agggtcagtt aatgaagaac tgggtggtggg 60
 tacatgctgg ttttctgtcc gataatctag atcttctcca gtgactggtg gtggttcagg 120
 aggcctggga ggtcgttggg caggaggcag aattcgaggc cggctctggt ctggcgtagt 180
 ctccaagatc ctcatatctt gatgctggat gaggtcatct tgtcccgaca ccggaatgct 240
 aggttctgga ggtggcctga gttgtaatga cgcttcatgt cccgatccat tttccctctc 300
 ttctagtagc acatctttct gctttgactg ctgagccttt attaactgag tcaacagaac 360
 tgcaaatgca ctctgcacag ccgctgggc agcatcagtc tccacttttag gctggatggt 420
 ctgagaagaa ggctgaattc ct 442

<210> 827
 <211> 605
 <212> DNA
 <213> Homo sapiens

<400> 827
 ccagggttta taattgggat gtaaaaagaa gaaacaagga tgactctacc aagaacaaag 60
 cataatgctg gcaattaaaa atgtggttta gttttccaaa catgttatct taaatacccc 120
 tttatcctta caggttgaca taactttgaa tgttttaaca gcaagaattt taagaaaaga 180
 taaacaccat tttatttatt tataaaaaca aaattagttt caaatatttt tgacattgtg 240
 attttttttt ccacatttct cagcaaagct aatggatatt taatcattat ttttgctgt 300
 cataagaaaa ctcttagctg aaatggccga aaactgtgag acatgctatg gaagctgaat 360
 gccggacgct agcacagttt actttttccc tttctaattg gctgatgtta ctctcacttg 420
 atgtggttaa accatttttag aggtagagaa gacagacagt ttgaatattt gtaaaacttg 480
 ttttcttttg tatatttagg acttagtggt cctctgttgc tattgtcttc tataagtggg 540
 gtttcatgac ttactgctta acgaataact aactactatg atattctgga catttttagg 600
 aatgg 605

<210> 828
 <211> 475
 <212> DNA
 <213> Homo sapiens


```

cccccttttcc cacccttgtc ctttgggaagc aggattaggg gagagagagg tgccaggtgc 180
atctgactca catttaccca cattctgagg ccctgggtcca catgtagacc ctgagctgta 240
gacccactct cccagcgggt aggggatgct tccagccgga tatccatctc tccaaatgag 300
gaccagtaac tgagaagtag ctgaggagaa gcaatgccaa agtgacatgg gtccttgggtg 360
atgagggagc acagagccac ttgcagagag gattgcctgg gagggggaag gggaagaatc 420
cagggttgtc atcaccactg agtatggatt tcacattcta acacattaga agctgcagga 480
tgctgnaatt g 491

```

```

<210> 832
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 121, 280, 290, 295
<223> n = A,T,C or G

```

```

<400> 832
ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctccttgaag ttgacaatct 120
ngtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgggct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggn caatgctctn aaatntgtgg 300
agcaaaccac a 311

```

```

<210> 833
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<400> 833
ccagcagcct ctgatctgtg caaggtatta acgtgtcagg gctgagtgtt ctgggatttc 60
tctagaggct ggcaagaacc agttgttttg tcttgcgggt ctgtcagggg tggaaagtcc 120
aagccgtagg acccagtttc ctttcttagc tgatgtcttt gg 162

```

```

<210> 834
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<400> 834
cctctactca ataatagttt acattactct taacaaaatc attctacata aacagatagc 60
tccttaaaaa tagtactctc tcattaaatc taatttgaca gaaagaagtt taagggaata 120
aggagtgctt tgtaagtga aaagtacaaa tctttggcct ttctcttgac attttcgtat 180
gtcaaaaagc aaaaaacctt catgtatttc aatctagtga ttactttttg caccataatt 240
tgtttttttac accacaaaag gaggcacttt cagtatctgt aaaaggattt taatcctaaa 300
acatacttac ctagagaata attaaaacag aattcaatac aatctagtat ctattaggaa 360
attaagagtt atcacttcta aaagtcattt gaaagtcaat gatgttatct ggtcaatggc 420
aggaaatggg aactggaaca aatataagaa cttatgggat ttctacacag gagacaaaaa 480
aagatattcc tttatgttgt tt 502

```

```

<210> 835
<211> 305

```

<212> DNA
 <213> Homo sapiens

<400> 835
 cctaaatgtg accaaaccaa cattgtaatc cagtcccttc ttggaacctt aattgaactg 60
 ccaagtactg cgcattgcaag agacccttta ttggccttac agtgggcatc tcatttctat 120
 aggcaaagaa agctctagac agattggaat aggaaatgga tatttgcctt ttagctacac 180
 ccctttgtct gtcttcctca ttttgttcct tttttttttc cctaaagggg agtcaagtgc 240
 cctgggttgt tcccctcata aggtattagg gacttggtgc acatctctct ggagttttct 300
 atttt 305

<210> 836
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 836
 atcaacctct gcgggtccca ctgcggcggt tccatcgggg aagacggggc ctcccagatg 60
 gccctagaag atctggctat gtttcggtca gtccccacat caactgtctt ttaccaagt 120
 gatggcggtg ctacagagaa ggcagtgga ctagccgccca atacaaaggg tatctgcttc 180
 atccggacca gccgcccaga aaatgccatc atctataaca acaatgagga cttccaggtc 240
 ggacaagcca aggtggtcct gaagagcaag gatgaccagg tgaccgttat cggggctggg 300
 gtgacctgc acgagg 316

<210> 837
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 837
 ctggcttcag agccggcctg acctgtacct taatcttgtg gctgtgogca gggacttctg 60
 tgggaggccc cggttcctgc atatccggag gtctgggcca tagcatggct gccctgtgga 120
 tgccttgtca gtgccgccag cctgaccaga ggggaggtgg atggcacttt ccagagccca 180
 gggttcttat gcatttccca gggttctgtg atttcccat gctctgcatt tctaggatat 240
 ttctaggaca cctggattgg ctccatcaca tcagagtggc tgagggcagt tgctctgtgt 300
 tggtgaaatt gctgtggggg tatcggggga tatgg 335

<210> 838
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 362
 <223> n = A,T,C or G

<400> 838
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtgga tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcggtg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggttaaggg tgatatcatg gggatgttag aagaaacatt tgctgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360

angacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
ttacttcaag agttaagagt ggcagt 446

<210> 839
<211> 479
<212> DNA
<213> Homo sapiens

<400> 839
ctggctcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
atgattgccg aggccggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
caccocgttg gtggctagga tatctttatt ggagatgac gccttcccg tcatagttag 300
catgtccccg ctgcagccca cctccagtg ctgtccctcc aggtctctca cagacagccc 360
cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcaggtctct 420
cagggcttct gggtcgccca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 840
<211> 409
<212> DNA
<213> Homo sapiens

<400> 840
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctcagttagt gcaaaccgca gtgacccagt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcgga 180
gcgaacctca acctctcctg ccaactcgcc tctaaccat ccccgagta ttcttgccgt 240
atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taattccata 360
gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409

<210> 841
<211> 322
<212> DNA
<213> Homo sapiens

<400> 841
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctccccct tctccttttg gctggtcac cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgccttctt ggaggggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggtgcac agtaccctat 240
tctatcatca acgggtacaa acgagtcctg gccttgctctg tggagacgga ttacaccttc 300
ccacttgctg aaaaggtcaa gg 322

<210> 842
<211> 402
<212> DNA
<213> Homo sapiens

<400> 842
ggcatttctg ttacagacca aggagaactg gagaaagaaa gagaaaatca gttcgtgggt 60
gcattgtgga tgcaaatctg agcgttctca acttggttat tgtaaaaaaa ggagagaagg 120
atattcctgg actgactgat actacagtgc ctgcgccgct gggccccaaa agagctagca 180

```

gaatccgcaa acttttcaat ctctctaaag aagatgatgt ccgccagtat gttgtaagaa 240
agcccttaaa taaagaaggt aagaaaccta ggaccaaagc acccaagatt cagcgtcttg 300
ttactccacg tgtcctgcag cacaaacggc ggcgtattgc tctgaagaag cagcgtacca 360
agaaaaataa agaagaggct gcagaatatg ctaaactttt gg 402

```

<210> 843

<211> 486

<212> DNA

<213> Homo sapiens

<400> 843

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ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta tttcggacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaag ggtagaagag cagaggatgg ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtaaaa 420
gagttacagc ccttatgaca tgttggaaag catcaggaaa gaggttaaag gagacctgga 480
aaatgc 486

```

<210> 844

<211> 541

<212> DNA

<213> Homo sapiens

<400> 844

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aaaaaccag tgagtattat tttcaatttg ttaagggttg aaacottcag tgaagottgt 60
ttctcttttc ttgttccttc tttcaaattg aaatgacatt tttgtttata gagctccagg 120
tcaaaggatc taacaatttt taatagcaat ttcctatagt gaatacttgc tttttcttcc 180
tagtcttgca gcaaaaaact aagcaagctt tgacatagag ggacgcatgt gaatatcgta 240
aattttataca caaactccca taaatactcc ctttcaatct aacacagaag acggggcagg 300
acggacgcag cagttggggc gtcggaagtt ctgcagcatg gactggaaaa cactgtgctg 360
ccttcctctg agcttcttat ttgaagaagt atctgaggaa atggatctcc gggctctggc 420
atcttgagtt ttgattaatt tctcatgttc cctgatttgt ctttgcaaat gggtctggat 480
cgcgattccc agggactctg cgtccaagga tgcaccatac acttcccagg tcattccctg 540
c 541

```

<210> 845

<211> 337

<212> DNA

<213> Homo sapiens

<400> 845

```

gcaccgccag ccttgtgggc agcaacatgt tccccaatca ttaccgcgag gcggcctttg 60
gggggggect cctatccccg gggcctgaag ccacgtagcc ccgcgatgcc agaggagggg 120
cactgggtgg ggaggagggt ggaggagccg tgcaatccca accaggatgt ctagcaccoc 180
catccccctg gcccttctc atgcttctga agtgacata ttcagccttg gcgagaagct 240
ccgttgacag ggtttccctc tgagcccatt ttacagatga ggaaactgag tccggagagg 300
aaaagggaca tggctcccgt gcactagctt gttacag 337

```

<210> 846

<211> 454

<212> DNA

<213> Homo sapiens

<400> 846

```
ccacagctaa catcattgca gcacctttac tccttcgggt gtgatccaat ctccagctca 60
cttctttttg ccagcaccaa cattggcctt tgcagtcccc ctgactttct tcattctgtt 120
cttgcggtcc ttctgttgct ttcttgaggt cttttttctc tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat ttttctttgc ataattccagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaga tgacatccgg 300
tgtggtcttg tacatttttg ctagtttttc ccgaatttct gtcttaggca ctgtcgctt 360
cccggggtga aggacatcaa tgaccatttg ttctctctga agtagtcggg tggcatgaa 420
ctttctagtg cggatagtta cgggtgctgtt catg 454
```

<210> 847

<211> 369

<212> DNA

<213> Homo sapiens

<400> 847

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ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaaggag gagtttctca 60
aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tggggtcccc tgtggctccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacattttgt tcaccataaa aaaccgcgcc gccgcccctc ggggtctcaca acaggtataa 240
aaaattataa atatttacac ccttgttaca cgcttttacg gaaaggggat cctaggagag 300
ccccggggac aggacgcggg ggcggtagaa agagcacaaa gacaggagcg cccgccttcc 360
gggtcccag
```

<210> 848

<211> 344

<212> DNA

<213> Homo sapiens

<400> 848

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ccaacttaaa gccgaatccc ggctccaaga aaccggagag aagaccaaga ggtcggagaa 60
gaggtagaaa atgtggcaga ggccataaag gagaaaggca aagaggaacc cggccccgct 120
tgggctttga gggaggccag actccatttt acatccgaat cccaaaatac gggtttaacg 180
aaggacatag tttcagacgc cagtataaag ctttgagtct caatagactg cagtatctta 240
ttgatttggg tcgtgttgat cctagtcaac ctattgactt aaccagctt gtcaatggga 300
gaggtgtgac catccagcca cttaaaaggg attatggtgt ccag 344
```

<210> 849

<211> 245

<212> DNA

<213> Homo sapiens

<400> 849

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ctgcttgggc ctctctcttc tggagagtcc cacctgtgta gtgggcgtgg gtgccctgat 60
tgggcccagt tgcaggcagt agaggcaggg cagggaacct gcagtccact acatgttctt 120
cgggatttcc ccaggagcca cagtaggagg gaagtgtggt ttacctggcc tttgattctc 180
tccaggtgag gaagaggatg gagatgaaga tgagggaagct gagtcagcta cgggcaagcg 240
ggcag 245
```

<210> 850

<211> 294

<212> DNA

<213> Homo sapiens

<400> 850

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag      294
```

<210> 851

<211> 362

<212> DNA

<213> Homo sapiens

<400> 851

```
ccatcctgag gatagggcag agtgcccagg gtggccccag ggcttctaaa accccaccta 60
gaccaccctc catgtcaggt actgagcaag gcccagatc cttctctctg gaggaagagg 120
gaagcccagg ggtcctgttt gtaaaacaac ggtggcaaca gctcctcttc cagagctgtc 180
tctgccttta tcctgggaga tggggaggaa gcccattctc tgctgttccc cgctggagg 240
aagccacccc agcaagctct ctctacccc aggtaaaagg tgctcctttg cctggggttg 300
aattccagcg ctgccacttc ctctctgcac ctcttggeaa gtttcttcta tccccacgt 360
tt      362
```

<210> 852

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 109, 124, 241, 250

<223> n = A,T,C or G

<400> 852

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aaaagataat atattctacc ctcatatggt cctcagaatt aaagcataat gaacaggaag 60
aaaaaggaaa agaatgcaac ctgagtgcata aggcagaaca tottgccana agtaattaat 120
gaangtagag tatataatga aaagtgcaga atttcatagg gccaacaaga taacagtcta 180
tattttttcac ttacacaggc aaagtggatt ctgcaattac cagttgcgtt aaatgcacca 240
nataaagctn ctaaaattga tactataagg cgccacctta agtttttcca ggetgcaact 300
gtgcattatt t      311
```

<210> 853

<211> 490

<212> DNA

<213> Homo sapiens

<400> 853

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ctgttatcca ggcgctggat ggggaaatgc gcaacgcagt gtgcatattt tatctggttc 60
tcgagctctt ggacacactg gaagatgaca tgaccatcag tgtggaaaag aaggtcccgc 120
tgttacacaa ctttcaactt ttcttttacc aaccagactg gcggttcatg gagagcaagg 180
agaaggatcg ccagggtgctg gaggacttcc caacgatctc cttgagttt agaaatctgg 240
ctgagaaaata ccaaacagtg attgccgaca ttgcccggag aatgggcatt gggatggcag 300
agtttttgga taagcatgtg acctctgaac aggagtggga caagtactgc cactatgttg 360
ctgggctggt cggaattggc ctttccgcgc ttttctcagc ctgagagttt gaagaccctt 420
```

tagttggtga agatacagaa cgtgccaaact ctatgggcct gtttctgcag aaacaaacat 480
catccgtgac 490

<210> 854
<211> 366
<212> DNA
<213> Homo sapiens

<400> 854
aaaaactgcc acttgagat aaaaatcaag ggcacaatgt actcagagag tattgagcta 60
tctggtatcc caaatgatgt gaatactttc agaaaccaat ggcaaattga acccacgttt 120
cccagctatg gagatattaa tacattgatt caaatcccat tactcaatcc acatagccct 180
gaggatcatcc tgcaaagtgc gtatcaaaaa atacgaagtt aggggtgacaa agtttgacag 240
tgatgttata caagtcaaac ttggaagggtc atagtaagca tacctatgct gagagaaaag 300
catcaaattcc tttgtgtaca catttagttt tattgttaaca aagcaacttg tacactttta 360
acgttt 366

<210> 855
<211> 434
<212> DNA
<213> Homo sapiens

<400> 855
ccaacatggt gaaaccctgt ctcttctaga agcacaaaaa tgagctgggt gttctggtgg 60
gcacctgtaa tcccagctac ttgggaggct taggcaggag aatcactgga acccaggagg 120
cggagggttcc agtgagccaa gatcgacca ctacactoca gcctaggcca caaagcaaga 180
ctgtttctca acaacaacaa caaaaaaaaaa agactcagag agccaggagac 240
cagggaagga tatgaggaag tgttctgagg acagagaaat gggagaatgg ggaggagaag 300
gagcggcaca tggagctcag cagaggagac agacagaagg aaagatggct tggagaagcc 360
ggcagtctgc gaggctgagg aggatggaga gtgggtttggg gttttgggtc gggctctagt 420
gtgatcaact gcag 434

<210> 856
<211> 283
<212> DNA
<213> Homo sapiens

<400> 856
ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gacatccctt agctaggata tgtctggtcg aacagacctt tgtggcaagc cagatgtcct 180
atcacctcgc tagcggtaag agggcctctt tgagctctgt ccacctagtc aggttggaga 240
caccagggga tctaccacca aaagctccct tctagtagta cag 283

<210> 857
<211> 149
<212> DNA
<213> Homo sapiens

<400> 857
ccatattgac agaccaatct atgggactag gggaattggc atcaagtcca cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cgggcctcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149

<210> 858
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 246, 268, 297
 <223> n = A,T,C or G

<400> 858
 ctggaggatg gccgcactct ctcagactac aacatccaga aagagtccac cctgcacctg 60
 gtgttgcgcc tgcgagggtg cattattgag cttctctctc gccagcttgc ccagaaatac 120
 aactgcgaca agatgatctg ccgcaagtgc tatgctcgcc ttcacctctg tgctgtcaac 180
 tgccgcaaga agaagtgtgg tcacaccaac aacctgcgtc ccaagaagaa ggtcaaataa 240
 ggttgntctt tccttgaagg gcagcctnct gccaggccc cgtggccctg ggcctnaat 300
 a 301

<210> 859
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 859
 ctctgtgagc aggatgccca ggacctgtat gaggctggag agaagaaatg ggggacagat 60
 gaggtgaaat ttctaactgt tctctgttcc cggaaccgaa atcacctgtt gcatgtgttt 120
 gatgaatata aaaggatata acagaaggat attgaacaga gtattaaatc tgaaacatct 180
 ggtagctttg aagatgctct gctggctata gtaaagtgc tgaggaacaa atctgcatat 240
 tttgctgaaa agctctataa atcgatgaag ggcttgggca ccgatgataa caccctcatc 300
 agagtgatgg tttctcgagc agaaattgac atgttggata tccgggcaca cttcaagaga 360
 ctctatggaa agtctctgta ctctgttcac aagggtgaca catctggaga ctacaggaaa 420
 gtactgcttg ttctctgtgg aggagatgat taaaataaaa atcccagaag gacaggagga 480
 ttctc 485

<210> 860
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 860
 ctgagccact gcccctggct gacgtgcct ctttgaagtg cttgtcttcc ctgctactct 60
 ggggtctgct gcccgctggc tgctcccagg tgttctttgc cagatcccca ccaaacttca 120
 tgcctccaag gcttgagggt gcccgggctc agtatttcca ggttactgat ccagcaaaat 180
 tataagaaac attaaaattc tctgaaaatt tcagtttttt cccttttttc aaagagaaaa 240
 acaattatag gagacttctc ctggcttcac agtttctgga tgctgtgttt ttgttaactg 300
 taacactttg aatagcatt tgctaaaaac cttttttctt tctctctttt ttgggtgatgt 360
 ggcagagaga aagacattga gatgttcctt gagtccagcc gcagcaaatt tataggttac 420
 actctaggca gtgacacgaa cacagtgggt gggctgccca ggccaatcca cgaaagcatc 480
 aagactctga aacaggtgag t 501

<210> 861
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 861

```

ctgaggaaga aatgaaaaaa gaccctgtcc cccatggccc gccactggc ctccctgtgaa 60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
ctggggctgc ccagcctgac cgcaggggat cactggcag agccaaggtg gatgctgggtg 180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
ggtgg

```

<210> 862

<211> 617

<212> DNA

<213> Homo sapiens

<400> 862

```

ctgcaaagta ccacacatag cagaaagaca gaaatttata ctgggggggtt ggaagatatg 60
gctactgagt ctgtaattcc atttggaggt tcaaaaaacc atttttacat tgctattatt 120
tgtacagacc aagggaccta aattttgaaa cagctagaca gtgatataaa caaacattta 180
tctctggggg tagaaaatta attataatac aagaatgaaa atgggcaaac agtatggaag 240
gcacccacac ctccctagcac cctttggttt tctgatggag ttctcacttc acacatcagt 300
gcattggatt gcagaaaata ttgatatttt atttcatcaa aagtgccatt tggatgcca 360
ctattgaaag cttatcgctg tctttttctc cttcagcaag tagagggtcaa tgaagcaggg 420
tgtgttagtt acgcaaattc ctataaggca ctttacgggt ttcatattgg acagtgaggt 480
acacaggata tatttctagg gttcgttgct gttaacaaaa agaagaagaa gtagcaccat 540
gttgtgacat tagctgagtc aggccttcatt atgttcttct catacagact tggcagcggc 600
tgacgtgcgt gcgcagc

```

<210> 863

<211> 520

<212> DNA

<213> Homo sapiens

<400> 863

```

ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60
cctggtgtag tttcttcatt tcagggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccactctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcacacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaacccgg gaggtggaga ttgcagtgag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg gatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta 480
atgaactaac tgacagcttc atgaaactgt ccaccaagat

```

<210> 864

<211> 449

<212> DNA

<213> Homo sapiens

<400> 864

```

ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
gacctcccc caccocaaag cctaatactt gcttaccaag tcaaaaaaga gacgcagttg 120
attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
gtcctcccca gccagggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240

```

```

gctggacact caaggttttg gagtataagc accccacttc tggctcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttgggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatctt 449

```

```

<210> 865
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<400> 865
aaatcaattc aaatatctct taaatgcott tgtaaaatca gctctatact aggtgtgaag 60
gagataagaa atattacaaa aatgtctttg ttccaaatct cctcatagta tagttgggaa 120
aggcaaaaga agcagacatg aaaaatttaa gtatccacat aagatgatcc atgtatcata 180
aagagtgatg taggcattta agatttacag gagaagaagg ctctttttgt tgatattttc 240
tgcttggacc aagaatattt atctggtaat actgttaatt ggaaatactt ttgctgctgc 300
aattgtatac attatgctaa tctgcatttt cttatccaaa acaagagcac tcattaagga 360
ctccctgacg tgcagttctg gtcagtaaca atacccttaa cccttccctc accctcatca 420
tggcag 426

```

```

<210> 866
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 866
ccaatttcgg gagatccatg ctggtgtgct gtctctcggc tagtgettcc ttcttctcga 60
ggatggcata gccagcatct gcagtggctg actcccgct ctcgtcatct cgcagggagc 120
tgataggctg gaagctattt ttgaagtitt ctttttgttt gttgagactg cgggcccagc 180
gttccatgtc cttggcaatc tgttgagctg tcttgggtct gtgtctctcc ttcttctctt 240
tgccctcctt cgaggggtgcc cctgtctcct tatgtccgtc ggccgactgc tccagggcgg 300
gaacataggt ccgcctctcc ccatcccagt acaggtactg ctggctctga gcattgtagt 360
aatactggga gttgggggtca tagtagaggc cggctctggg gtcatagtag tagccggagg 420
tctcatcgta ctggtaggta gagacgtcgg gaacaggg 458

```

```

<210> 867
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 867
ctggcttcac agattttctta ctgcccattg tggagctgat ccctgagaag agagccactg 60
ccgccgagtg tctccggcac ccttggctta actcctaagc ccctgcccag caccacagca 120
gagatcacac actgaccctc cgcccttccc cttcaagcat tttcctcttc ccttttcagg 180
gtgaagctct tcttcaaga gtttctagat cttgtttttt ttttaatcca acatgttcat 240
ttgggtttgc ttacttgacc ctgtggagat cccacagcc attgggcac ctaggtgaat 300
ttggccttgg ttgggctctg ccaaagacta atggactaaa atgtgaaaca gcctcttgcc 360
ctgtaccttt ccttcccat aggacatcct tt 392

```

```

<210> 868
<211> 203
<212> DNA
<213> Homo sapiens

```

<400> 868
aaagtagttt tctttaggaa ctgtcagcat gttgttggtt aagtgtggag ttgtaactct 60
gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
tattatccag gtactcgtac actatTTTT tgtactgctg gtctgtacc agaaacattt 180
tcttttattg ttacttgctt ttt 203

<210> 869
<211> 240
<212> DNA
<213> Homo sapiens

<400> 869
cacctttcat gatcacgcc tcataatcat tttccttacc tgccttctag tctgtatgc 60
ccttttcccta acactcacia caaaactaac taatactaac atctcagacg ctcaggaaat 120
agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcacgcgcc tcccatccct 180
acgcacccct tacataacag acgagggtcaa cgatccctcc cttaccatca aatcaattgg 240

<210> 870
<211> 479
<212> DNA
<213> Homo sapiens

<400> 870
aaagagcctg agatttatat ttaactcgaa caacagtttg cctctgttgc cctgtgttc 60
atgttttctt aagccagagt ttcccacgcc tctgttctt ggcagcccaa gtgccttcgc 120
tgggctactc ccacctggcc cttgcttttc attccttagg gcagtcactt agcaccttc 180
aaagtgcctg cacatgtttc ttatttcatt tcttaaacad tcatattacc actattttaga 240
ttgaaggaac agaattgggt tgggcttgaa gagaatacaa agagatctgt cttcaattat 300
ctgatagtag taaagtttca cgggagaaag aaagatttcg gttccacata agggaaaaact 360
tggaaagtgt tgaatggaaa gtccatagag agattcagta accacctgtc aggaattttg 420
taaagacgtc tacggccata tcaccctgaa cgcgcctgat ctcacatgat ctcggaagc 479

<210> 871
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 521
<223> n = A,T,C or G

<400> 871
aaagttgctt tgctggaagt ttttataagg aatctcaaata taaactttta gaagtttaata 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
attacctatg ggttttatatc ctcaaatacg acattctagt caaagtcttg gtaatatatac 180
caatgttttc aaatgtattc tgttatatac agagcagatt tttattgaac ttgtgcaata 240
actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
gtaagctgtg gatagcttaa aagaaaaaaa gtttcttgaa atctgggaaa caagacattt 420
aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 480
agtcccatga aattaattat tttctctgct tgatcttggt ngacagtttc atgaagctgt 540
cagttagttc attaa 555

<210> 872
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 872
 ccttagagcc acagcggcgg cacaacgtgt gcgtcttatt gcgacgcttt ccaaacgatg 60
 acgttccctt cgtcatctcg cttctgcggc cgag 94

<210> 873
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 873
 ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtgc tacgagctgt tcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccg tgctatccgc ccag 294

<210> 874
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 284, 296
 <223> n = A,T,C or G

<400> 874
 cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtggtgaa 60
 aatgcacagg agcttggtag actgcggggg aaagagagag ctcccttccgc catgttttac 120
 cagtctactg ttataacctc ttaggttgta tcctttaatt tccagccttt taggttagtt 180
 tctgtaacag aacaagtgag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
 tttgtttttg taatagctta acaataaac ctaggttttc tatngaaaaa aaaaangc 298

<210> 875
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 875
 attatcctct gtttctctgc tgcaccgacc tcgacgtctt gcctgtgtcc cacttggttcg 60
 cggcctatag gctactgcag cactgggggtg tcagttgttg gtccgaccca gaacgcttca 120
 gttgtgctct gcaaggatat ataataactg attggtgtgc ccgtttaata aaagaatatg 180
 gaaactgaac agccagaaga aaccttcctt aacactgaaa ccaatggtga atttggtaaa 240
 cgccctgcag aagatatgga agaggaacaa gcattt 276

<210> 876
 <211> 452
 <212> DNA

CCDS:363660.1

<213> Homo sapiens

<400> 876

```

ttgaagatgg tcccttacag cttcccaagt taggttagtg atgtgaaatg ctctgtccc 60
tggccctacc tccttcctg tccccacccc tgcataaggc agttgttggg tttcttccc 120
aattcttttc caagtaggtt ttgtttaccc tactcccaa atccctgagc cagaagtggg 180
gtgcttatac tcccaaacct tgagtctcca gccttcccct gttgctttta gtctcttggt 240
ctgtgcctag tggcacctgg gctggggagg acactgcccc gtctagggtt ttataaatgt 300
cttactcaag ttcaaacctc cagcctgtga atcaactgtg tctctttttt gacttggtaa 360
gcaagtatta ggctttgggg tgggggagggt ctgtaatgtg aaacaacttc ttgtcttttt 420
tctctccac tgttgtaaat aacttttaat gg 452

```

<210> 877

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 185, 262

<223> n = A,T,C or G

<400> 877

```

aaaaacaaca ccaaagcaaa cccatagccc ctgtcaaggc agtcctcagg gagagtgagc 60
tggaaggctc ccctgcact tctctgagca gagatcttgg gcccctccca ctggacccca 120
gcctgagcag agggcaaggc tctgcctgct ggtaccctag ggggtggggg agaagcgatc 180
agctncaaac catgcaagaa aaacaagcca aaccataaa gcaaaagaaa aaatcaacag 240
aggataaatt aaaaaaaaca cnaaagggtga atgacaccga taacggtgg 289

```

<210> 878

<211> 411

<212> DNA

<213> Homo sapiens

<400> 878

```

ctgcatatgg cctgggagtc atggcacagt acggtggaga taattatcgc cttttttgta 60
cagaagcact tcccctgctg gtaagagtta ttcagtctgc ggattctaag atcaaagaaa 120
atgtcaatgc tacagagaac tgcatctcag cagtagggaa aatcatgaag ttcaagcctg 180
actgtgtaaa cggtgaagag gtccctccac actggttgct ttggcttcca ctacatgaag 240
ataaagaaga agctgttcag actttcaatt atctgtgtga cctgattgaa agtaatcatc 300
caattgttct tggcccaaac aataccaatc tgcccaaaat atttagtata attgcggaag 360
gagaaatgca cgaggcaatt aaacatgaag atccttgtgc caaacgtctg g 411

```

<210> 879

<211> 423

<212> DNA

<213> Homo sapiens

<400> 879

```

aaacagttgg aacaccggtg gcactgttaa ctgctttctg ggcagcctct ttagcttggg 60
gggcttgtag tacagctaca gcttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
gagtaggggt catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgc 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttctgacct tgtacatgaa 300

```


cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
 ctctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
 cag 423

<210> 880
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 880
 ctgggggacg tggttcacgg cgtggaaagc ctagtggagc ttctgggctg gacagaagag 60
 atgcgggacc ttgtgcagcg ggaaactggg aagcttgatg gaccagacaa ataggatgat 120
 ggctgcccc acacaataaa tggtaacata ggagacatcc acatcccaat tctgacaaga 180
 cctcatgcct gaagacagct tgggcaggtg aaaccagaat atgtgaactg agtggacacc 240
 cgaggctgcc actggaatgt cttctcaggc catgagctgc agtgactggg agggctgtgt 300
 ttacagtcag ggccaccccg tcacatatac aaaggagctg cctgcctgtt tgctgtgttg 360
 aactcttcac tctgtgaag ctctaatgg aaaaagcttt cttctgactg tgaccctctt 420
 gaactgaatc agaccaa 437

<210> 881
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 332, 380
 <223> n = A,T,C or G

<400> 881
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaataca cttccattaa atattaaata aattattttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaagn gacaattgaa agttttaaac 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gtgatatcct gtaattttat cttcagttat 300
 gctatagcat gtacatttcc attctcttgt cnaagtttct ttcgttcctc acttctcctt 360
 catatttcct gacgtattgn cttctaagct ggactgtaat aacagcaaca g 411

<210> 882
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 882
 ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctccataggag 60
 ggcttgctgt gcggagggcc tgctatgggt tgctgcggtt catcatggag agtggggcca 120
 aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
 ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
 tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgcctt 300
 gggacccaac tggttaagatt ggccctaaga agcccctgcc tgaccacgcg agcattgt 358

<210> 883
 <211> 297
 <212> DNA

<213> Homo sapiens

<400> 883

```
ctgactatcc aacatgattc ctatggaaac agaaggggca gagtcctggt ttgctggcct 60
attgagggct tggcagagaa gctaaagctc caaagtgact acagattctc tgcaaccggc 120
tttgacccat ggaaacagga gccagattct cactctagag atagtgaggg ggccaaacct 180
actcatacca catgcattag tcctggtcac cctccaggac catgctgtat atgggcaact 240
cataccaggc aggggaaggg agctgattag ggaagaaggg accatctttc atctttt 297
```

<210> 884

<211> 367

<212> DNA

<213> Homo sapiens

<400> 884

```
aatttggtta aaatatctcg gcctgataag ggaactgggc aggtggagat aactaaaaaa 60
gagtgcataa aagagtgttg ttcaagttgg caccagagtt ggggagtttt aagaggttta 120
gaagcctggc tgtcaatacc cacaacagtt atggaggcaa gggaaacagg cccttgaaaa 180
gaaggtaatg tggagtgggt agcctccata ttgattaaga aggggacaga cttaccctcc 240
actgtgagag ttacctaaag ctcggtgtcc atgggtggtt acagggcttc tgaggcgatc 300
aggcagcgtc agtcttcagc cactaagcca agaaggagtc agtcagagag ccttggggcca 360
gtgttcc 367
```

<210> 885

<211> 194

<212> DNA

<213> Homo sapiens

<400> 885

```
gcaggtaaaa atcctgtgta aaggagcacc ttaaatacat cagtgcctccc caggaggctc 60
caccctcaac tcaacccaag caacagggac agatgaaaaa caaaatccaa tcaggggcgat 120
aaatggcggg gggcaggacg tgggtgtctc caggctggct tcgtgcgttc ttgcttttgt 180
cactgcccc ctgt 194
```

<210> 886

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 143

<223> n = A,T,C or G

<400> 886

```
aaaataagga gttgtggggg aagggtgtcg tgcactccta gagaaaggta cacagttgcc 60
cggttgggaa tgtgcttggc gctgaccctg cgggcatctg actggtcttc cagctcagga 120
aaaagaattt gaaagaggct tancgtgaag gggaatcaaa gaggagggtt tgatttggtc 180
gaaggtgcct ggttttagtc tgtaattgtc ttattatatt ttttatatat atatttcttg 240
gagtaaacat ttt 253
```

<210> 887

<211> 406

<212> DNA

<213> Homo sapiens

<400> 887

```
ctgaatcgcg cagaatttga agatcaagat gatgaagcca gagttcagta tgaggggttt 60
cgacctggga tgtacgtccg cattgagatt gaaaatgttc cctgtgaatt tgtgcagaac 120
tttgaccccc attaccccat tatcctgggt ggcttgggca acagtgaggg aaatgttggc 180
tacgtgcaga tgcgtctgaa gaaacatcgc tggataaaga aaatcctcaa gtcccagat 240
ccaatcatat tttctgtagg gtggaggagg ttccagacca tcccactgta ttatatcgaa 300
gaccacaatg gaagacaaag gcttctaaag tataccccac agcacatgca ttgcggagca 360
gccttttggg gccctatcac tccacaggga actggtttct tggcaa 406
```

<210> 888

<211> 172

<212> DNA

<213> Homo sapiens

<400> 888

```
aaatacaggg ttctaaaaag aaggaaaaaa ccagaaacat cacatacttt taattatttg 60
taaaagcatt attctagttt tctaagtctt tatacttaaa aatgaaagca gtgtggaaaa 120
gaatccacat aagcaggtat catcagagtt tgcgcagatt agccaaaaca gg 172
```

<210> 889

<211> 479

<212> DNA

<213> Homo sapiens

<400> 889

```
ctgaggaagc tcttcatttg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
catttttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacgtat gccactgttg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtaggcatt 300
aaagaagaca ctgaagaaca tcaccttaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagact gtcattcaga aataccatac tgtgaatgg 479
```

<210> 890

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 40, 139, 211, 351, 379, 559

<223> n = A,T,C or G

<400> 890

```
gctttttttt tttttttttt tttttttgna actaaaaaan aactttattt attgagggca 60
aggggatgca aacaatacaa aaatcaaaag cttatctggt atttaacttt tctttctctg 120
cttgtcaaat gagagttana ttttattttt acatttgcta agtgtcctga tctgctcatg 180
aaatccttct atgggggaag ctgtggggca nattccttaa gcgacccttt gggacaactc 240
ttatcaggga ggagcgaact gctcatttct gcctacttct ttcccttctg cttcatgtgt 300
actacaaaat agtcattgca tgcaatggtg aggcccgcaa ttagggaaaa naagctctgg 360
aagcccaact tgccatctnt acactgggtc aggtccttca ttattttgtc cacagccaga 420
```

```
<210> 891
<211> 170
<212> DNA
<213> Homo sapiens
```

```
<210> 892
<211> 563
<212> DNA
<213> Homo sapiens
```

```
<210> 893
<211> 159
<212> DNA
<213> Homo sapiens
```

```
<210> 894
<211> 346
<212> DNA
<213> Homo sapiens
```

```
<400> 894
aaatgtgtgg aacaatgcta catctacact tggttggcct aatcaacctc ttcaatgggtg 60
ggccctgagg aagcaccacc agagggagga gtcaccacac caggaaatcc ccaggcatt 120
```

```

cctcctggca tgcctcctgc actctgggtac agcttggtga tgatgggggt gcaaactttc 180
tccagctctt tctgttgatg ttcaaattct tctttctcag cagtctgatt cttatcaagc 240
cagttgataa ttctattaca ctgtgccaga atctttctgt tgctctcatn gttaatcttg 300
ccttgaagtt tctcatcttc aacagttgct ttcattgtga aggcatt 346

```

```

<210> 895
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 895
ctgaacatct gcagcaaggt caaggccgag gtgcagaatc tcggcgggga gcttggtgtc 60
tctgggggtg acagcgccat gtccctgata caggcagcca agaacttgat gaatgctgtg 120
gtgcagacag tgaaggcatc ctacgtcgcc tctaccaaata accaaaagtc acagggtatg 180
gcttccttca accttcctgc tgtgtcatgg aagatgaagg caccagagaa aaagccattg 240
gtgaagagag agaaacagga tgagacacag accaagatta aacgggcatc tcagaagaag 300
cacgtgaacc cggtgcaggc cctcagcgag ttcaaagcta tg 342

```

```

<210> 896
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 438, 441
<223> n = A,T,C or G

```

```

<400> 896
atgctaaact gtgaaaaatc agatgaattg ataaaagagt tccctgcaac caattgaaaa 60
gtgttctgtg cgtctgtttt gtgtctggtg cagaatatga caatctacca actgtccctt 120
tgtttgaagt tggtttagct ttggaaagtt actgtaaatg ccttgcttgt atgacgtcc 180
ctggtcaccc gactttggaa tttgcaccat catgtttcag tgaagatgct gtaaataggt 240
tcagatttta ctgtctatgg atttgggggtg ttacagtagc cttattcacc tttttaataa 300
aaatacacat gaaaacaaga aagaaatggc ttttcttacc cagatttgtgt acatagagca 360
atgttggttt tttataaagt ctaagcaaga tgttttgtat aaaatctgaa ttttgcaatg 420
tatttagcta cagcttgntt naacggcagt gtcattcccc tttgcaactgt aatgaggaaa 480
aaatggtata aaaggttgcc aaattgctgc atatttgtgc cgtaattatg taccatgaat 540
atttatttac ct 552

```

```

<210> 897
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<400> 897
ccagcagcct ctgatctgtg cagggtatta acgtgtcagg gctgagtgtt ctgggatttc 60
tctagaggct ggcaagaacc agttgttttg tcttgccggg ctgtcagggt tggaaagtcc 120
aagccgtagg acccagtttc ctttcttagc tgatgtcttt gg 162

```

```

<210> 898
<211> 343
<212> DNA
<213> Homo sapiens

```

<400> 898
ccacctgctt gagccagggt ggcctcctgg aagacctgga caacctcacc ctggaggacc 60
tgaaggagga ggaggaggaa gaggaggagg tggaggacga ggagggcggg cccagggagt 120
gacccctgcc aggtgcagat acaaaccaga caccgtctgt ggctactttg tgttattata 180
agatatgagc tcaaaccgag atatgaatga ccttggggag ccactctgagg ccaagatatt 240
gacggggggg attcctgggt cccattttca gcgccaggg tcacagatcc acagtgggaa 300
gttctgtggg acacattggc actgagccac aaagaagggt tgg 343

<210> 899
<211> 196
<212> DNA
<213> Homo sapiens

<400> 899
cctacagact tatttcttct tggacacacc caccgtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatcc 196

<210> 900
<211> 403
<212> DNA
<213> Homo sapiens

<400> 900
ccaccctgaa aatcaggaac tccaacttct acacgggtggc agtgaccggc ctgtccagcc 60
agattcagta catgaacaca gtggtcagta catatgtgac tactaacgtc tcccttattc 120
cacctcggag tgagcaactg gtgaatttta ccgggaaggc cgagatggga ggaccgtttt 180
cctatgtgta cttcttctgc accgtacctg agatcctggg gcacaacata gtgatcttca 240
tgcaacttc agtgaagatt tcatacattg gcatcatgac ccagagctcc ttggagacac 300
atcactatgt ggattgtgga ggaaattcca cagctattta acaactgcta ttgggttcttc 360
cacacagcgc ctgtagaaga gagcacagca tatgttccca agg 403

<210> 901
<211> 461
<212> DNA
<213> Homo sapiens

<400> 901
aaattataat ttttattcct cagtcaccac tgctaatact tcaatttatt tcaaagtaac 60
ttctggtttt tattacattt ggaagataaa gcaacttata acatgtagggt tacaacttaa 120
aattcgtgta tgagccattg cttatatattt ctaaatctga catgaccag ggggtttcta 180
ctgctcctac caccacccag gacatgcgat gaagattgtg caccgttaccg tgagggcaga 240
agcaggttag tagctatagg agctgtcaca tggatttact ataatgcact tgaaattgtg 300
tatgtgacct tatcaggcat ttaaggacca taatctctcc ttgacctaa aaatcagctt 360
gaagtaattc acttagattt caaattttta tgtggatacc ccaaggctgc aaatctgtta 420
ttcagtacct gctacacttt tgggggttgc tcttttatgc a 461

<210> 902
<211> 256
<212> DNA
<213> Homo sapiens

```
<210> 903
<211> 362
<212> DNA
<213> Homo sapiens
```

```
<210> 904
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<210> 905
<211> 238
<212> DNA
<213> Homo sapiens
```

```
<210> 906
<211> 411
<212> DNA
<213> Homo sapiens
```

```
<400> 906
ctgggtcctct cccacatgt cacactctcc tcagcctctc ccccaaccct gctctccctc 60
ctccccctgcc ctagcccagg gacagagtct aggaggagcc tggggcagag ctggaggcgg 120
```

```

gaagagagca ctggacagac agctatgggt tggattgggg aagagattag gaagtaggtt 180
cttaaagacc cttttttagt accagatata cagccatatt cccagctcca ttattcaaat 240
catttcccat agcccagctc ctctctgttc tccccctact accaattctt tggctcttac 300
acaattttta tccctcaaat attcatccct ggcccaacca gtcccctgag cctccctctg 360
gtggagactc ctccacccat gagctcccca gagcatccaa gacagagtgc a 411

```

<210> 907

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 558, 580

<223> n = A,T,C or G

<400> 907

```

aaaaactgca ttactgaatt taacaaaagt cagacactag aatcatatat ttgctgcata 60
aaagttgatt tgatacctgg tggatgattga atttagtctc aaagactcat aaataaaaat 120
ctgacttaag acgtagtcat accagtatac caattctccc atcactttga ctttcggcag 180
agagattaga gcaaaaaata ttcaggagaa cagtggaggt acattgtatt atgtatgttt 240
aatataatat caattttaag gttaagggtta aggaaatctt aattttaagg ttaaaccctg 300
agtactagtt atagaactta atattcctgg ttaaagagta agttaactgg gttattatgt 360
ggccttggtt gaagaccata aattatgcat ttatgcattt gtgggttgctt tggttctcaa 420
tacattgaat atgcatagcc ccttctagaa atatatatag tgagaaatct gtaaaatggg 480
ggagtttagac taagtgtgaa ctaaaatctt cccactgtgt acaggacaca tcagctgaga 540
gcaaatcagt ttttatgntt actcagcacc atcctcactn aaaactatta ttttt 595

```

<210> 908

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4

<223> n = A,T,C or G

<400> 908

```

cgantactat agggcgcaatt gggccctcta gatgcatgct cgagcggccg cccgggcagg 60
taaaaagtat cttgatgggt cttttctatt tataatttca gactttcata aagtgtacca 120
agaatttcat aaatttggtt tcagtgaact gctttttgct atggtaggtc attaaacaca 180
gcacttactc ttaaaaatga aaatttctga tcatctagga tattgacaca tttcaatttg 240
cagtgtcttt ttgactggat atattaacgt tcctctgaat ggcatlgata gatgggttcag 300
aagagaaaact caatgaaata aagagaatat ttattcatgg cgattaatta aattattttgc 360
ctaacttaag aaaactactg tgcgtaactc tcagtttggt cttaactcca tttgacatga 420
ggtgacagaa gagagtctga gtctacctgt ggaatatgtt ggtttatttt cagtgcctga 480
agatacatte acaaatactt ggtttgggaa gacaccgttt aattttaagt taacttgcat 540
gttgtaaatg cgttttatgt ttccaggagg cctcgaatct tcagtctctc agagaccaca 600
g 601

```

<210> 909

<211> 186

<212> DNA

<213> Homo sapiens

<400> 909

```
ccagcagttc ctctttgcct tatatttggt gtacgcccgg ccagccttca agatggggtt 60
gtcaattcgg ccacctccag ccaccacacc aaccacagct ctgttggtg aggagataac 120
cttcttgag ccggagggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
aacggt 186
```

<210> 910

<211> 385

<212> DNA

<213> Homo sapiens

<400> 910

```
ccagggagga cggagacttt gacctactcc acatggagag gcaaccatgt ctggaagtga 60
ctatgcctga gtcccagggt gcggcaggta ggaaacattc acagatgaag acagcagatt 120
ccccacattc tcattcttgg cctgttcaat gaaaccattg ttgcccato tcttcttagt 180
ggaacttttag gtctcttttc aagtctcctc agtcatcaat agttcctggg gaaaaacaga 240
gctggtagac ttgaagagga gcattgatgt tgggtggctt ttgttctttc actgagaaat 300
tcggaatata tttgtctcac ccctgatatt ggttctctgat gcccccccaa caaaaataaa 360
taaataaatt atggctgctt tattt 385
```

<210> 911

<211> 467

<212> DNA

<213> Homo sapiens

<400> 911

```
ctggcccccga ggtggagaga gatggggaaa aggaggcatc gcagaggaaa tgtgatttca 60
tgtgtgacaa acagtggcaa aacaacactg gctaagaatt tgcagaaaca cctcccaaat 120
tgcagtgtca tatctcagga tgatttcttc aagccagagt ctgagataga gacagataaa 180
aatggatttt tgcagtacga tgtgcttgaa gcacttaaca tggaaaaaat gatgtcagcc 240
atttctgtgt ggatggaaag cgcaagacac tctgtggtat caacagacca ggaaagtgt 300
gaggaaattc ccattttaat catcgaaggt tttcttcttt ttaattataa gcccttgac 360
gctatatgga atagaagcta tttcctgacg attccatatg aagaatgtaa aaggaggagg 420
agtacaaggg tctatcagcc tccagactct ccgggatact ttgatgg 467
```

<210> 912

<211> 435

<212> DNA

<213> Homo sapiens

<400> 912

```
gatttggtga agtacctttt ggctaaagac caggcgaaga ttcccatcaa gcgctcggac 60
atgctgaagg acatcatcaa agaatacact gatgtgtacc ccgaaatcat tgaacgagca 120
ggctattcct tggagaagggt atttgggatt caattgaagg aaattgataa gaatgaccac 180
ttgtacattc ttctcagcac cttagagccc actgatgcag gcatactggg aacgactaag 240
gactcaccga agctgggtct gctcatgggt cttcttagca tcattctcat gaatggaaat 300
cgggtccagt aggctgtcat ctgggagggt ctgcgcaagt tggggctgcg ccctgggata 360
catcattcac tctttgggga cgtgaagaag ctcatcactg atgagtttgt gaagcagaag 420
tacctggact atgcc 435
```

<210> 913

<211> 332

<212> DNA
 <213> Homo sapiens

<400> 913
 aaatctggga tataaattaa agatcatatg cacagatcaa tttatgttct tgtaataaac 60
 ttattagaaa ttggtggttg tgatagcatt ttacttgggt tactagagat gcttctagta 120
 gaccttaatc tagcatagtt gaacctctga atatgggaag gttgtattcc cagattcctt 180
 cctgaataga tttgaattta atgtcatttg ggaactccag ggtgagttta ttgactacc 240
 aaactgtatt ttaccaataa atatgcatat gatctttaat tattgaagaa aataaagtga 300
 ggacttaaaa caattcatga aagtggacct tt 332

<210> 914
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 364, 365
 <223> n = A,T,C or G

<400> 914
 ccaaaaacaaa ggggctacag gcccacatgca agcccaaat ccagcggggc agtccttaaa 60
 tcttaaagca ccaaaaggat ctcccttctc ttcattgtct acaccaggc cacactgata 120
 caaggggttg gctcccatgg ctttgggcag ctccctcgca ggctggcatt gactgcctgt 180
 ggctattctg ggcacacatt gcaagctgtc agtggatcta caattccggg ggctggagga 240
 cagtggccct tttcccacag ctccactagg cagtgcacca gtggggactc tgtgtgggga 300
 ctccaacccc acatttccct tccacactac cctagcagag gtcctccatg acaccttgat 360
 ttennatttc taccctccag aactataaaa gaataaattt aagctactca gtttgtggta 420
 ctttgttaca acagcactag gaaactaata tagtttattt tctgaatt 468

<210> 915
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 915
 ctggteggtc tttcgttgcc atggatacca aggatatccc tcagatttta caacagatct 60
 tcacctccac catgttgctg agtgtctaag aagtgccctt catcaccctg atgacaccag 120
 gatttgaaat aagacaggaa taaagagat tctgaaaaaa agaagatatg gatgaagtga 180
 acccatgcag tgactggatg attccggcat tctgggtct tccctacactt gctccgtaat 240
 gagaattcag agaagcagcc agaaggagac ttaaaccatg aaagatactc cactgatgag 300
 tttagaagtg attaggcaa gctagttagc ctgcacttta tcaaagggtg gggttaaagg 360
 aaggtggttt tgagaactat gtgtttggtc tatttccaaa aacctgaggg ggagaaaata 420
 ctttgctttt gccttaacac atcatctggt cacgttagaa aagtgacccc atcaaaactga 480
 gcctttgatg tcacattctg acacaagatg caagtctgt 519

<210> 916
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 916
 ccttaacctt tgccttgga gcccacaagg ataataacat ccctttctgg ggcaacaaaa 60

```
<210> 917
<211> 253
<212> DNA
<213> Homo sapiens
```

```
<210> 918
<211> 324
<212> DNA
<213> Homo sapiens
```

```
<210> 919
<211> 363
<212> DNA
<213> Homo sapiens
```

```
<210> 920
<211> 331
<212> DNA
<213> Homo sapiens
```

```
<400> 920
aaatctgtgt atgtgctcta tcacatttat tacttgtgta tattaaatca tccctgcatt 60
aatggcatga aaccacttgg atcatgggtg attttctttt tgatatgttg ttgaatttgg 120
```

```

ttcattagta ttttcttgag gattttttgca tctatgttca tcagggatat tggctctgtag 180
ctttcttttt tgttatgtcc ttccctgggt ttgatattat ggtgaaactg gcttcataga 240
atgatttggg ggaggattct ctctttttct atctttttgga atagtgtcaa taggattggg 300
accaattctt tgaatgtctg atagaattca g 331

```

```

<210> 921
<211> 201
<212> DNA
<213> Homo sapiens

```

```

<400> 921
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag ggctttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga t 201

```

```

<210> 922
<211> 73
<212> DNA
<213> Homo sapiens

```

```

<400> 922
tcatgaactt cgcacaaaa gacaattctt tatacaacag tgctaaaaat gggacttctt 60
ttcacattct tat 73

```

```

<210> 923
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<400> 923
aaagcaagtc accttagggg ggctttaatt gtataagtca agcacatgta ataaattcaa 60
aacctgtagt taacaggata ttagacatca atcctggtaa ccaaataatta aagattctct 120
ttaaaaaaga ctgaacatgt ttacagggtt gaattaggct aaaaggctct gcagtggctt 180
ttcatggccc ttcaaattgg aatggaacta ctgtactttg ccatttttct ataaatcagt 240
atTTTTTTTT aatttttgata tacattgtgt gaaaaaagaa aatggctaata aaactgtatt 300
aaatcttaaa caatgtataa agattgtact tagccagttc aaagtgtata tttattcata 360
atgaattata acagttatat ttttgtgttt tcttgtaaat gtttcttttc ccttaaatac 420
agataattca tttgtattgc ttattttatt atgagctaca acaaaaggac ttcaggaaca 480
agtaatgtat tagtatgggt caagattggt gataggaact gtctcaaaag gatggtgggt 540
atTTT 545

```

```

<210> 924
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<400> 924
ctgcttactt cagtctgggt tcttcaacca aaatatgtac cttataccaa aacaatgctt 60
attccaaaat atTTTTtgta gctagtagtt ctttcttggg aggtaaagaa aatacaccca 120
aacttttaat taccaggatt cagaatatTT aagagaacaa ttttagttaa gaatcaaata 180
tacagagatt caaagagggg aaaaaaagga aatattatag aagacaaagg tcaaactggc 240
attccagatc tggagcaatt ttgtaaagca ggaaaacaac tatgacaatc tgtagcttct 300
tagatcatta tagtgaatgt ccccatTTTac tataagtgtt tttataatgg tgtttcttaa 360

```

ataaaggaac ataaatgtac actaaagggt gtttcccaag aatagaggtg aagatatttt 420
catttt 426

<210> 925
<211> 372
<212> DNA
<213> Homo sapiens

<400> 925
ccttagggcg ggaacacttt tcaacccaag ccaggcttca ggggcaagcc caccaacaga 60
ccccaatttc cacaggggag gcagatcttc tatacctaca gtgacagaaa atacactaaa 120
gtgcagtata aaatataaaa aggtttgatt ctgaatagac caactgctaa ttttccttaa 180
aaaaattttt aatttggttg agtaaaaacc aaattagttc actgaatctc attttgtagg 240
taagagtctt atttgcaata cgaaaactgg agcttatgac tgctttgatt ttctctgtag 300
cacaggataa ccagtattag tggagaacac tacaaaaggt ggcttgtggt gagttccttg 360
catagtgggt tt 372

<210> 926
<211> 64
<212> DNA
<213> Homo sapiens

<400> 926
ccaattgggt tcaccgtctg ggggggctgc ttattagtct cctggactag gggggcaaag 60
agat 64

<210> 927
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277
<223> n = A,T,C or G

<400> 927
ctgcggtgcc cgggtactgca ctgtgcgctg tctggggacc caccaggaga ccagggtgtct 60
gaagtggact gtgtgagcct gggcattccc agagaggaag ggccgctgtg cactgcccgg 120
ccttcagaaa gacagaattt catcacccaa tgcaggggga gctcttcctg gaccaaggga 180
ggagccgctc attcacccaa caaaactgtg tcttatctgc caggaaagac cagcctcact 240
cctgggaact gtctggcagg taggctgggc ccccantgc tgttagaata aaaagcctcg 300
tgccggaaaa aaaa 314

<210> 928
<211> 261
<212> DNA
<213> Homo sapiens

<400> 928
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggtt atcatttgtt ttgagggttag ttgtattagt cattgttggg 180
tggtgattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata 240

gaatgatcag tactgcggcg g

261

<210> 929

<211> 495

<212> DNA

<213> Homo sapiens

<400> 929

```
gctttttgaa aagtttaggt taaacctact gttgttagat taatgtattt gttgcttccc 60
tttatctgga atgtggcatt agctttttta ttttaaccct ctttaattct tattcaattc 120
catgacttaa ggttgagag ctaaacactg ggattttttg ataacagact gacagttttg 180
cataattata atcggcattg tacatagaaa ggatatggct accttttggt aaatctgcac 240
tttctaaata tcaaaaaagg gaaatgaagt ataaatcaat ttttgtataa tctgtttgaa 300
acatgagttt tatttgctta atattagggc ttgccccctt ttctgtaagt ctcttgggat 360
cctgtgtaga agctgttctc attaaacacc aaacagttaa gtccattctc tggtagtagc 420
tacaaattcg gtttcataat ctacttaaca atttaataaa actgaaatat ttctaaaaaa 480
aaaaaaaaac ctgcc
```

<210> 930

<211> 88

<212> DNA

<213> Homo sapiens

<400> 930

```
ggcgaattca cttactgacc ggcttgggct gctctgagac atggaggaag ccagtgaagg 60
tggaggaaat gatcgtgtgc ggacctgc
```

<210> 931

<211> 460

<212> DNA

<213> Homo sapiens

<400> 931

```
aattaacagt gcgtatttgc ctgaagaagg tcagtgtgct tgcttggaga tcaggacgca 60
aaggtcacca tcagaaaagc taagtttgct gtatagttag gatcaggaga tctgatcctg 120
attgcagaac cttccctgat tacagaatct tggatgattt cacaaaagtt catcttcatt 180
gcagatacct gcctttcttt ctaggttgta tctcccaact cacccttcta gaccatccca 240
gaagatctat aagatttcat ctgggaaatc actaggaggt cttggaaggg aaagaaggaa 300
gattgttggt tggaataaaa acagggttga atgagttcca gaaagcaggg ttctcaacct 360
cgtggacagc aatctgcaga agaagagaac ttcaaaaaac caactagaag caacatgcag 420
agaagtaaaa tgagaggggc ctcttcagga aagaagacag
```

<210> 932

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 360

<223> n = A,T,C or G

<400> 932

```
cettacaaat aatactccaa tgaatcagtc cgtaccaaga taccccaatg ctgtaggatt 60
```


<213> Homo sapiens

<400> 940

```
aagaaggtga tctaagggcc gcggcctcct ccacacacac acacacacca ggggaaccaa 60
gagaaccacg tagaatcctc aaccgtgcgg accatcaacc ttcgagaaat tccagttgtc 120
tttttcccag ccgcacccctg cctgtagatg gccgg 155
```

<210> 941

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405

<223> n = A,T,C or G

<400> 941

```
ccacagaagt tgotgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggg tgcatctgtg atgcaaactc gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggcccaca aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagnaaacc taggacccaa 420
gcacccaaga ttcagcgtct tgttactcca cgtgtcctgc agcac 465
```

<210> 942

<211> 407

<212> DNA

<213> Homo sapiens

<400> 942

```
aaataaaaaa cttttcaaatt tttgcacaaa taatttaggc caatacataa ctagatttga 60
ataaagtcag atgaagcaat aattcctcct ctgtgtttga aaggaatgag tgtggttaca 120
aagtcacagg atgagtcctt gggatctggg gtgggagaag ggggtggatca agaataactt 180
gggcttgatc ctccctagca ggctgagggc gtgacacagc agctcgggtg cggagagggtc 240
tattctagtt tctaactctc caatgctaac tttttggatg tatttccttc tagcatgtag 300
aaagggcttt tcttggtctg caggaagtag ggagcaggga tgtggcatgg tgatgatctg 360
aggacagcca ggcataatgct cagacacttt ggaaaactgg ggagggg 407
```

<210> 943

<211> 259

<212> DNA

<213> Homo sapiens

<400> 943

```
ccaagaagca gtggccttat tgcattccaa accacgcctc ttgaccaggc tgcttccctt 60
gtggcagcaa cggcacagct aattctactc acagtgtttt taagtgaata tggctcgagaa 120
agaggacca ggaagccgtc ctggcgccctg gcagtcogtg ggacgggatg gttctggctg 180
tttgagattc tcaaaggagc gagcatgtcg tggacacaca cagactattt ttagattttc 240
ttttgccttt gcaaccagg 259
```

<210> 944

<211> 192
 <212> DNA
 <213> Homo sapiens

<400> 944
 ccaggagggt cccccgacca ggttggggag acttggggcc agcgcttctg gtctggtaaa 60
 tatgtatgat gtgttgtgct tttttaacca aggaggggcc agtggattcc cacagcacia 120
 ccggtccctt ccatgccctg ggatgectca ccacaccag gtctcttctt ttgtcttgag 180
 gtcccttcaa gg 192

<210> 945
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 945
 tgatactggc tgagtttgca atagcagggt gaaccctaac tattgaggga gtttgcatat 60
 acctcaggat tcgtgacaat gccttt 86

<210> 946
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 946
 cctgcgttat atactagaaa aatttcttca ttatatgcaa aatattttatc tcctctagta 60
 aaggagatta aagaacaact gcaagaggaa ggaaggctct gaaagtgttt catttggtat 120
 ctacctacc caacccaag acataaagac agataaaggc actaagatgc tagtatgtgg 180
 ctagtccttt caataacca gtcagtccat acagataacc catgggatat attcaagcca 240
 ctctttgagc catcgatggg cattatttgg ttagttcacc caaggtaagg ccataccag 299

<210> 947
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 947
 ctgaagctgg gggcctgggt cctaccctgt ctggtcatga cccattagg tatggagagc 60
 tgggaggagg cattgtcact tcccaccagg atgcaggact tggggttgag gtgagtcagt 120
 gctcttgct ggcaatggg tgggaggagt accccaagt cctctcact ctcagcctg 180
 gaatgtgaag tgactccca accccttgg 210

<210> 948
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 948
 ccagcatatt ttgcgagtac tcaacaccaa catcgatggg cggcggaata tagcctttgc 60
 catcactgcc attaagggtg tgggccgaag atatgctcat gtggtgttga ggaaagcaga 120
 cattgacct accaagagg cgggagaact cactgaggat gaggtggaac gtgtgatcac 180
 cattatgcag aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga 240
 tgtaaaggat ggaataata gccaggctct agccaatgg ctggacaaca agctccgtga 300
 agacctggag c 311

<210> 949
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 94
 <223> n = A,T,C or G

<400> 949
 ctgcaatcca tttatttcat ttacaaaaga tttattgtaa gcctctcaat cttgggttttt 60
 cagttgatct taagcatgtc aattcataaa aacnagtcac ttttgatttt ttcacatctta 120
 agaatgctta aaaaagctaa tccctaaaaat agttagatct ttgtaaatgc atattaaata 180
 ataaagtatg acccacatta ctttttatgg gtgaaaataa gacaaaaata atagtttttag 240
 tgaggatggt gctgagtaaa cataaaaact gatttgctct cag 283

<210> 950
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 950
 gaaaccttca cagtgaagtc ctgtcctgat gccatcaaag aggtcttcga caataaattc 60
 cacatcatcg gcgcagtggg catcggcatt gccgtggtca tgatatttgg catgatcttc 120
 agtatgatct tgtgctgtgc tatccgcagg aaccgcgaga tggcttagag tcagcttaca 180
 tccctgagca ggaaagttaa ccca 204

<210> 951
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 951
 aaaaagctag aaccaatgat aaatgatgca cttcagaaag aatccaagtt ccagaataat 60
 gtaattgtaa ttccatgtac cttaaagaat gaggttgtgt gtatttttatt tttcttaact 120
 c 121

<210> 952
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 952
 cctcacttcc tgtagcttgg ggtgttattt aagcttctgc catctggccc acattaaaaa 60
 atgtatatgc tttttctcct gttaatctgt ctattgtcag cttgttttat agattcaaat 120
 tcttaaacct tcaaggtcta gaaaggaagt tccttctacc cctccaatag tataaagaag 180
 tggagccttt tggtaggtga tagagtcag agggccctgc ctttaggcag agagttagt 240
 cctttataaa agaggcccag gggggcttgt ttgcccttc tgccatgtga gaacacagca 300
 agacagtgcc atctgtgaag tagagagtga gccctcacga gatgtggaat ctgctggtg 359

<210> 953
 <211> 516

<212> DNA
 <213> Homo sapiens

<400> 953
 aaatgactgt gctgccccctt tgcattcttac aaagttaaac agctaaaaga agtaaaataa 60
 gaaggcaatg cttgtggaat gtacagtgc tattggcggc gcacgcctca ttacgattcg 120
 cctgcttgct tctcctgttc aatcgtttct ttggaaggca gtggattttt ctcttgctgc 180
 tctgtcttct tcagtttcga cttatcgaat ttctcgatct cagccatatac gggtttgtca 240
 gacatgggtg cggaggaaaa gcgaagcgag gcgcctgcct tcccatctg tctatctatc 300
 tggctggcag ggaaggaaaag aacttgcatg ttggtgaagg aagaagtggg gtggaagaag 360
 tggggtggga cgacagtga atctagagta aaaccaagct ggccaaggt gtcctgcagg 420
 ctgtaatgca gtttaatcag agtgccattt tttttttgtt caaatgattt taattattgg 480
 aatgcacaat ttttttaata tgcaaataaa aagttt 516

<210> 954
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 954
 cctgacagac gcgggcagtg atgagccctg ttctggagtg gaaagagcac gatagagcac 60
 caggctaaga ggcacgagat caaggcggta gtcacttccg ctctgcagct agcatttcaa 120
 ccatatgtgg atccttttcat ttctcagctc cctggattcc ttcccctaaa ttaggacctt 180
 ttattttacct gtaggtaagc aagctactgt agctcttctg aggtatctgc caggctgttt 240
 tctgtagcct cagattgcct acctgcttag cctgagaaca ggtagatgaa aactaaactg 300
 atgcttaggc ccagggtcag tctcagatgg aagctgggac tgggtgggga ggctagcatg 360
 cgtggctccc tgggtatttc tgtcagtcac catggcaagc agtgatttag taaaacaccc 420
 cagagtcagg gaagccaacc accttgaaac ctttagaaca tctctgcttt ggagaaagac 480
 ccagagatca ggcagaggtg cagattcaat cattactcat aacctttgag agatggcaaa 540
 tgggaggagt gtttag 555

<210> 955
 <211> 173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 54, 97, 119
 <223> n = A,T,C or G

<400> 955
 gctttttttt tttttttttt tttttttttt taggggaaaa taacttttat tganacccca 60
 ccaactgcaa aatctgttcc tggcattaag ctcttnttct ctttgcaatt cggctcttnt 120
 tcagtggctc catgaatgct ttcttctcct ccattggtctg gaagcggcca tgg 173

<210> 956
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 956
 ctgaggagac tccggcgctc gccatggcgg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaaggtgg cggggcagga tggttctgtg gtgcagttta 120

```

agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
gtgtctactg aaaagggaac ctgcttcttt actccagaac tctgttcttt 350

```

```

<210> 957
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 957
aaagaacatt tttattactt tcaagtttat acagtaatct ggcacaagct attgccagca 60
ttcctgccaa gtacaaatgc ttggacctcc ccttaatcaa cagataaaat acataactta 120
catttaaggag gagtggatac ctcaaagtgc ttaagtaaaa atttgttctc tttaatatgtt 180
tgaactgtcc cttgttagtc gtgtctaaaa cattgacctg aataatgaga aatcacaaagc 240
taatgtttta cttattcctt atatggtaag agactacctt tt 282

```

```

<210> 958
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<400> 958
ctgaatcaac tccagggtgcc cgtagtcgtg ataccaagag tagtagctgt tcaaacagat 60
cacatccaca tacggagccc ctttgtctgc tgcatagtta gagttgctca caaagggtcac 120
aggccgggag ggggtccaagg atttggtgtg agcgatcacc atcttcaagt agtagccagc 180
agattctagg tgggacgcag gctcgttg 209

```

```

<210> 959
<211> 576
<212> DNA
<213> Homo sapiens

```

```

<400> 959
ccatctgac tataaatgcg gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gtccttcaa gtatgcctgg gtcttgata aactgaaagc 120
tgagcgtgaa cgtggtatca ccattgatat ctccttgagg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggaca cagagacttt atcaaaaaa tgattacagg 240
gacatctcag gctgactgtg ctgtcctgat tgttgcctgt ggtgttggtg aatttgaagc 300
tggtatctcc aagaatgggc agaccgaga gcatgccctt ctggcttaca cactgggtgt 360
gaaacaacta attgtcgggtg ttaacaaaat ggattccact gagccaccct acagccagaa 420
gagatatgag gaaattgtta aggaagtcag cacttacatt aagaaaattg gctacaaccc 480
cgacacagta gcatttggtt caatttctgg ttggaatggt gacaacatgc tggagccaag 540
tgctaacatg ccttggttca agggatggaa agtcac 576

```

```

<210> 960
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 960
aaaagaaaca tgaaatcata aagcaaagct aacagccaac caacaaatac cgcctagcaa 60
tgatttccac tggatgtggg agagggttaa taaagacgct gttggtaacg cgtacagaac 120
tatcactggc aatcagcata ctgagctatc cagtggaggc cagcatcgtg tttttgctaa 180

```

```
<210> 961
<211> 324
<212> DNA
<213> Homo sapiens
```

```
<210> 962
<211> 475
<212> DNA
<213> Homo sapiens
```

```
<210> 963
<211> 202
<212> DNA
<213> Homo sapiens
```

```
<210> 964
<211> 596
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 537, 590
```

<223> n = A,T,C or G

<400> 964

```
ctgagaagag tgaggcagcg cctccggccc ctctgtgac gcacagcact cctgtaactg 60
tctcagaacc actcctggag aaagacttcc ttgcaggagt gactcaagaa ttaatcaaga 120
ctottgaaga caactctgaa aagtgggctg tgattcccga tgcaggggat ggtgtggtca 180
agccctcgtc tagagcagac cccgccaga cctctgacac attagccttg aacaaccaga 240
tggtgaccca gaacaggact ccacacagcg tttgccacca gaaaccacaa gcaaaatctg 300
gatcttggga cctccaaact tatagcgctg accaacgcac aacaggaaac tgggaatctc 360
ataggaagag ccaggacatg aagaaaagga aatatgatcc atcttaactg aggctcaggc 420
cacataattg gactctgtca caaagggact ttggaaaact actttttggt catgaaattg 480
ttcatcgctg ctggagaatg aacgtcattg caatttatct tgcttcattc tgaaccntta 540
tcaaaaggat ctgactgaga gcccaactgca gttagagctg agcacttttn aaaagc 596
```

<210> 965

<211> 400

<212> DNA

<213> Homo sapiens

<400> 965

```
aaattttaca cctttttctta agaatttctaa tgccgtctta agtttttata ccaataatgc 60
tgagctttta gtgtaggatc tggtagtaca gacagtgtga tggatgatgc tgctggttgt 120
aaatttcacg gtgtgtgtct aatttttttt cctgttgaat gggtaaaaac aaaacaaaac 180
tttttttaga agatgaattt gctgtcatgt tttgtggaat gagggaccgt tgagctcact 240
accacctgga gtttgagttg aagcatgaaa atgggtgcca tgcctgacgc tccagcgctc 300
ggatctgcac gtgcccttgt agaggatcct taccgtccta gagagcagac gctttctgaa 360
aactacttgc tccaaaagac cctctgagtt aacgtttcag 400
```

<210> 966

<211> 268

<212> DNA

<213> Homo sapiens

<400> 966

```
ctgggggggt tctccagac caccggcctc ggccccggca tccctgttgg gcgtcagcct 60
gagagtcctt actgtgcgtc agaatccacc ttgcgtgctg tgcgtatctg tgaacctgga 120
gcggttactt attttgacag atatcacttt gggctctttt acattaaatt tcttttctct 180
aaggaatata agacataccc catagctctg tgtgagccag caataaccgt gccccctggc 240
gacagggcag accaatgatg ccaggcag 268
```

<210> 967

<211> 544

<212> DNA

<213> Homo sapiens

<400> 967

```
aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattcttc ttgtactaat 60
taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
ctttttcatg taactgtaac ctaaagtgtat tacttctgat aaaactatat atcaaagtgc 180
actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttggtt 240
gccatggaag ttatggccct gaaaatcgtc tccctccctt tctcttgctg tacagcatgc 300
gttctctttt tgtggttgct ggctgggtac tgtatttaaat gaagtagaga atagcacttg 360
caaaaatata gtcttggtac cttagagactg tcatgcagat agtataattt ggtatatgtg 420
ctaattgcatt gagtaaagga ttattttaac aactattttt gcttttgtat tttagttaaa 480
```

```
<210> 968
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 969
<211> 341
<212> DNA
<213> Homo sapiens
```

```
<400> 969
ctgccccagg gcgttcgttaa cgggaatgcc naagcgtggg aaaaaggggag cgggtggcgga 60
agacgggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ncnnaaagaa 120
aaatgacaaa gaggcagcat ggagagggcc canccctgta tgaggacccc ccagatcaga 180
aacctcaccc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc canatatact 300
gtgccttcaa gagaccaaatt gttcanagaa caaactacca g 341
```

```
<210> 970
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<400> 970
aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc caggggaagac agggcgacct 60
ggaagtccaa ctacttcctt aagatcatcc aactattgga tgattatccg aaatgtttca 120
ttgtgggagc agacaatgtg ggctccaagc agatgcagca gatccgcgatg tcccttcgcg 180
ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcy caaggccatc cgagggcacc 240
tgaaaaacaa cccagctctg gagaaactgc tgctcatat ccgggggaat gtgggctttg 300
tgttcaccaa ggaggacctc actgagatca gggacatgtt gctgg 345
```

```
<210> 971
<211> 250
<212> DNA
<213> Homo sapiens
```

<400> 971
ctggagggct caccatgag ggacacgggt ggacaccac tgcttcacat gcctaattca 60


```

cattagaaac atgtaaagcc attcagtctg tgcaatagag agatcctgta tgaaatccac 120
tcatttccttg gagggaagct ggccccggagg cacgctctgg ttgacgggtg acgcacagtc 180
ctccagggcc tgcattgcat ccatgacaca gacacacgtg aacacccagc ccgccggtcc 240
tagcagccag                                     250

```

```

<210> 972
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 972
ctgtatagca tcttcactgt aaaggaggta agtaactccc taagctagca tgtaagtgc 60
tgacattggg agaaaataca ttacaaagaa caggagctgg tttttggttt tccttggtgc 120
tgtgtttttg attgaaggga tgtgggatgg tgggtgacaga agtctgagca tagtttctga 180
ataattggag gggagatggg cattctttgg gactatgtcc gcattacatt gagttttctc 240
cctctaggaa gagagagttt gtgtttttatt ttctgtaagt aaaagctaca tgtttaggat 300
tttt                                           304

```

```

<210> 973
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 488
<223> n = A,T,C or G

```

```

<400> 973
gcgcgcgtccg ttcaccgcgg cctcagatga atgcggctgt taagacctgc aataatccag 60
aatgactact ctgatctatg ttgataagga aaatggagaa ccaggcaccc gtgtggttgc 120
taaggatggg ctgaagctgg ggtctggacc ttcaatcaaa gccttagatg ggagatctca 180
agtttcaaca ccacgttttg gcaaaacggt cgatgcccc aacagccttac ctaaagctac 240
tagaaaggct ttgggaactg tcaacagagc tacagaaaag tctgtaaaga ccaagggacc 300
cctcaaacaa aaacagccaa gcttttctgc caaaaagatg actgagaaga ctgttaaagc 360
aaaaagctct gttcctgcct cagatgatgc ctatccagaa atagaaaaat tctttccctt 420
caatcctcta gacttcgaga gttttgacct gcctgaagag caccagattg cgcacctccc 480
cttgagtnga gtgcctctca tgatccttga cgaggagaga gagcttgaaa agctgtttca 540
g                                              541

```

```

<210> 974
<211> 578
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 499, 503, 550
<223> n = A,T,C or G

```

```

<400> 974
aaaaaaaaaa aaagtcacca gcaagtagtc ccgggtggga ggtgggagca gaataaaaaa 60
aatctgcaat gattcctaatt tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
tttcatgagg aaggcacaac ttccaggtag tgttggggaa ggggatgagg tcctatgcag 180

```

```

gctggcctct tatcccacag atgccaagat gatgtctact ggcagctcct ccaaacttct 240
ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgggagcgca ccaggatgtc 300
atgaccaccc cggaacacac cagccaggag caacgtgtgg gtgttcttgt tatccggcac 360
tttgtctgac ctctcacaag ggtgcattcc caagaacttc acaatattac ccacagcctc 420
ttcaagtgtc ttgatggtag acaagggtgaa cgtttctctc ttctcaaatt catccccctac 480
ctcatcccag gctgcttcna aanttcagtt tcatgacctt ttgaatgtga tcagctacag 540
taacttccan atcttccage acatactcat cctcatag 578

```

```

<210> 975
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 975
aaacctttat actccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
aatccaggca caactacaag agcggaatga ccctcagcaa ctgctattag atgccaagca 120
catgtttcct gttttgtttc catttaattcc atcttctcta accatggact caatccacat 180
cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaaatt tcaaggatct 300
gttaaactct gtaaaagtag atcaaactcag agattgacag cctgtggagg gtgctgaact 360
atacagaatt agacacaact atgtcattat tttttgtacc tactgctcag aa 412

```

```

<210> 976
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 976
ggcaggagaa tggcgcgaa cccgggagac gaggttgac tgagccgaga tcacgccact 60
gcactccagc ctgggcgaca gagcgagact tcatctcaaa aaaaagaaaa aaaaaggat 120
tcataaggta cctcgaggga tgatgaaatg agtaacttga caaatctttg gggcttggaa 180
aagtctactc tacatcactt ggggcagggc atgacatagc atatatattg gatacacatg 240
cctgacagcc cagtcttcat ttgaggaatc tgggatcaat acatgatcca aatcttggta 300
ctgtgggtct tgtatttggg tttccatgtg gatttcattt cggccagggc tggagttact 360
gtccctgttc atgatggtg tgctggtgac ctatggggca tcctaacttc ctcccaggc 420
agatgtccct gctgcattgg 440

```

```

<210> 977
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<400> 977
ccgggcaggt ccataattta ttatctcacc acaaggcaca atacacagag ctttgaggg 60
ccaatacagt catcgtgaca gaacgcaccg cagccttggc acatgatcat ggctttcagg 120
ctgcacgcac actggagcga gatgctttcc accgtgctgc tgtcagtgaa catttgcaag 180
gaaagtgatg cactgtggct cgcaccaaag tttgctttgt ggctcag 227

```

```

<210> 978
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 978

```

```

gccaaagagg tcgaagtggg tctggaaact ttggtgggtg tcgtggaggt ggtttcgggtg 60
ggaatgacaa cttegggtcgt ggaggaaact tcagtgggtcg tgggtggcttt ggtggcagcc 120
gtggtgggtg ttgatattgg ggagtggtgg atggctataa tggatttggg aatgatggaa 180
gcaatttttg aggtgggtgga agctacaatg attttgggaa ttacaacaat cagtcttcaa 240
attttggacc catgaaggga ggaaattttg gaggcagaag ctctggcccc tatggcggtg 300
gaggccaata ctttgcaaaa ccacgaaacc aaggtggcta tggcggttcc agcagcagca 360
gtagctatgg cagtggcaga agattttaat taggaaaca 399

```

```

<210> 979
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 979
aaacttggga agagtcataa ttctgggatg ttccacatgt tgtcagcttt aacctttctac 60
agacacaggg cctctcctct gtgaggaggg acctctggca tgtgtgggtg tgtgtgggt 120
ccctctccct attagcagaa atgtgttggg catgagccag gtttatgatt tggattgtgt 180
cctgcacata acacctgtga gaatacaact gggactagga caatgcggga agcatattct 240
tcatgaggcg gtaacaaaaa ggcttggcta taccaaagga ttctgggtgg cgggcacggt 300
ggctcacacc tgtaatgcca gcactttggg aggccaaggc gggtagatca cttgagggtcc 360
aggagttcga gccagcctg g 381

```

```

<210> 980
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<400> 980
ccacaaatgg cgtgggtccat gtcattacca atgtttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacia gcatcagcgt 120
tttccagggc ttccagaggg tctgtgcgac tagccctgt ctatcaaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacagg aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga ttccacaga gactgtttga atgttttcaa aaccaagtat cacactttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagag 360
agatgtactt ttt 373

```

```

<210> 981
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G

```

```

<400> 981
cctctcaga cactctcaag aggatgggga gatgacacca cttgggtaca aacttatgaa 60
gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
gattgtcaat actctcaagc actaaagaaa gtatttggcc aaaatgaaga aatacaagaa 180
atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttaccc 360
ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagagatg 420

```

atagaaaaaa gccttcactt caaagaagtc aaatttcattg aagaaaacct ctngcacatt 480
gacaaa 486

<210> 982
<211> 448
<212> DNA
<213> Homo sapiens

<400> 982
ccagactcct ggaagagcag ggtcatgctg gctgggacac agtagagggg ttttatatct 60
ggagggtgat agggctgttc cctgctaccc tcctggatag tctgggaggt cggggagggc 120
tcgggtatga cgaaagatgt aatcctcggg tgtttccagt ccacagccac aatgctctcc 180
acccttttgc tcagctcctt cacctgtata atctgctcct gctgcatttg ctgcaggaac 240
ttagagagct tttttagctg tgacttcttt atgtccagtt gtcgtccttc ggggcagcag 300
gagaacatgt ggctgccaag gaaagtgtct gtgagtaaag ggaggtcagc ctttttgact 360
cggcacttca aggcattgtg gaagcattgc tgtaacagct catccatttg ttcttgaagc 420
gttttgctat ctgtggagtc ttggttca 448

<210> 983
<211> 476
<212> DNA
<213> Homo sapiens

<400> 983
ctgcatcacg gggaacacag catctcctgg atgcaggaag ctgcaagcat ctggaatgct 60
tattaattta cccacaaaat aaatacaaaa ggtcaatctt cccagtggaa atgattccat 120
cgatttttgt gactttctga tgagaatgct aaaaagaaga gttgcccctt ttctaaaatt 180
ccaaatcttt cctttttgaa gatgactaca tgtgaaagaa ataaaatgtg aaaagatttg 240
ttaaggatga ctggctctag taccaactaa atgccaaggg ggactgtaag tcaactgaggt 300
gacacaaagc agccatgggt tttcctcgcc ttttttatgg ggaaaatgca cttttcaatc 360
ctagaagata attggacttg gcaaagtccc tatcggtagc aactattttc ttactttaaa 420
aaaaaaaggg tgagctggga gccagactgt gcacatcagc caagattgct attgcc 476

<210> 984
<211> 333
<212> DNA
<213> Homo sapiens

<400> 984
ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
agttcctccc cactgatgaa tgccaggtgg gattgtactt cttgtcaaatt tccttcttga 120
tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcactcca 180
ccgagtcttg ttgcatctct tccgacatgt ccgcattttt gatcacggcc tttcggtcgc 240
acatggttac cgtggagaag ggggctggcc gactgcaacg gtctcctggg ggaggtgcta 300
gcacagctca ggcccggcta gagctaccgt cgc 333

<210> 985
<211> 181
<212> DNA
<213> Homo sapiens

<400> 985
gggttatcga atggtggtga atgaaggttc agatggtgga cagtctgtct atcacgttca 60
tctccatggt cttggaggtc ggcaaagtc ttggcctcct ggtaagcac gttttgggga 120

taattttctc ttcttttaggc aatgattaag ttaggcaatt tccagtatgt taagtaacac 180
a 181

<210> 986
<211> 382
<212> DNA
<213> Homo sapiens

<400> 986
ctggccaaga accgcctcta tcaggccagt cagagagctg atgacatctt ggacctgaag 60
ttctgcatgg atggagttca gactgctttg aggagtgaag attatgagca ggctgcagca 120
catattcatc gctacttttg cctggacaag tcggtcattg agctcagccg acagggcaaa 180
gaggggagca tgattgatgc caacctgaaa ttgctgcagg aagctgagca acgtctcaaa 240
gccattgtgg cagagaagtt tgccattgcc accaaggaag gtgatctgcc ccaggtggag 300
cgcttcttca agatcttccc actgctgggt ttgcatgagg agggattaag aaagtctctg 360
gagtaccttt gcaagcaggt gg 382

<210> 987
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 33, 34
<223> n = A,T,C or G

<400> 987
tacgaacac tatagggcga attgggccct ctnnatgcat gctcgagcgg ccgcccgggc 60
aggtctgctc tagcacctga ctctcttgga gtcagggtac caggagagg gaggagcacc 120
aggggtgggg atatttaggg gacctctttc cttcaggacc acacccttct aggtgaaagc 180
acaaacactt gattactttg cattccatct gcaaaaacag atttaggttt tgaatatggt 240
gaaaaacgaa gaaaggaaaa tataaaactc tgtattttat atacagtaag gaataatgga 300
ggctgataat gatcttggtg tcagctaaga caatgtcagt aagcagggtg ggtaggggtgc 360
tttctatggg caaaagggcg aatatcttga atgaccagaa atgactcgaa gagctgcatt 420
actatcatgg tagcatgcat gaagtgtac atctaaacct ttgctaacct aacattatta 480
ctctcaagct ttattatcct caaggcttaa atggctgtag ctgtttaatt t 531

<210> 988
<211> 183
<212> DNA
<213> Homo sapiens

<400> 988
ccttcttcaa cagcgactct aggaagagct cgagcgcccg ggagatgatg acaggcaccg 60
ccgcgcgcac ctcccaatc tcttcgtccg tctgcatgat cttcttgatc cgcgcggcg 120
ggaaccgcgc gttgtacttc ttcttcttgc tcggcatctc ggggcctctc tcgccgcgtc 180
ggg 183

<210> 989
<211> 350
<212> DNA
<213> Homo sapiens

```

<400> 989
ccaaaaacaa aaaagaaaaa aaacatgaca tctgtcatgt aaaacctttt tttatcccta 60
tgggacttga ggaacagaat cagtacttca gttattgtaa atagttagct aaacctcaaa 120
tttctatcac ccagttgccc ttttcatgaa ctaaacaatt atctgtgtga ttggtatggt 180
tcaccaggtc actgctcatg tataacagta ctctttatct gtagatacct tttttgtata 240
tattttattat tgtaaatcat gtgctgccac cagcagctctg taagtctaaa ctattaaatg 300
acacatttat atttggaatt ttaattttta actaagcgat caagtttttt 350

```

```

<210> 990
<211> 496
<212> DNA
<213> Homo sapiens

```

```

<400> 990
aaatgatttt tattacgggtg tggtcactta tttagatgga cattgctttt caaataaactt 60
aaaataacac gttatgtgcc atgtggctac tttagtaata ttgccaagaa gagcacagtt 120
tttactactag tggcatctca gtgaaattaa ccaaagatga agctttggct ttgctggtga 180
gatcagagcc ctcttgagca ggcagcgcca ctccagggtt cagacagggc tgcacaggcg 240
gcagagatac aggggtctgag ggctgagacg ccatggggcc gctgctgctt atgtgggttg 300
attgttttaca agcctcatta ttaaaactga aggcattttt tttttctgct gcctttccca 360
aagtgggttag gtttggaata gagatgatga tggtaatat ttattttgtgc tttttaagcc 420
atttcccaaa atgggactag catgcttggt ttcagtatac cgtggcctgc ctcatgatgg 480
tttgagagata ctgtct 496

```

```

<210> 991
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<400> 991
aaaaaacttc gaaagtcaca gacacagaat ttaggaagct gaaggctgag agtctccctt 60
ctcacttaat ccatgcttta ttttgcatc ctccaggtta aggaggcagt gcctgttatg 120
ctgtggacca aaaccagccc caggagctg atcttcaaaa aaatggaatt tactctggca 180
tactcctatg tatgatacct ttccaaggcc aaatcccaag agaccagcaa gtgcaacttt 240
gggcaatgat ccaaactctag aattagctgc caaataacct tggtagacta gtccctgggt 300
gacaagcatg cttacaagag aaaaaggcag agctctcttc cagaaacttt ctctctgaca 360
ttctcgcata atctttgaga tctctgctct gtggatgtgc agttttgatt ttggacaaaa 420
caacaggctc tgcttgcttg gtggtggaaa 450

```

```

<210> 992
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 57, 141, 157, 212, 442
<223> n = A,T,C or G

```

```

<400> 992
aaactgtcta aaaaaaaaaa aaaaaaaaaa aaaaaaaagc ttgtacaaaa cctacanact 60
tattttctct tggacacacc cacggtgcgg ccacggcggc cagtggctct ggtgtgctgg 120
cctcggacac gaaggcccca naagtgacgc agccctntat gggcccgaa cttcttcagt 180
cgctccaggt cttcacggag cttgttgtcc anaccattgg ctaggacctg gctgtatctt 240

```



```

gcccgggag gtaaaaaaaaa aattccagaa tgggtaagag aacaatcatc aaggatgtag 240
gtgccagaca cagggcagaa ggtagctaga aaagtatgcc ttagggaagt taaaggtcta 300
gcctcattcc taccttggtt taatagctgt acctaataa aatagctaag tttcccattg 360
ttctagattc ctctgcccc tctacaaaca tggcacanc ag 402

```

```

<210> 996
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 996
ctgtttcaaa gttgggggtct gttcttgaat cccctattaa ttactgtgtg tgagccagag 60
ggagctgtgg taaggggttg gccccagcc ttaggggaac tttctggact cccactcttt 120
gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtcccac 180
actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
aaggttcttc ttattttgtg ggctgggtgc tgtagaaaca cataacaaag ggcagccctc 300
cacttctggg ataattgtgt agcccctttt ctttgggctt gacacctgtc ttgaataaga 360
gtgattagag ctgcataatg tccctctctt ggctattgac catgtggttc acgtacaaaa 420
ctctgtataa gttgaaggaa aatgttcatg ttcatatgta cttgtttgct atgactacat 480
tttgagg 487

```

```

<210> 997
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 411, 485
<223> n = A,T,C or G

```

```

<400> 997
cctgacattc ctgccttctt atattaataa gacaaaacaa aatagtgttg aagtgttgga 60
gcggcgaaaa tttttggggg gtggtatgga gagagaatgg gcgatgtttc tcagggctgc 120
ttcaagtggg attggggcgg cgtgggaaca taaagtggga gagattaagc tgaagggag 180
tcttgtggta agggatgata ttgtggggat gttagaagaa acatttgtca tatagaatga 240
ttggtgatgg cctggacaca gttttggatg aactgagaag ctaaatggaa gatacaaggt 300
ctgaataaaa ggaggagaaa aatgggtatt aaaggactaa gaattgggag gacccaggac 360
atccaattag agagtgccca agggggttca gcgtaattac ttgcttgggt ngcaagtttt 420
tgggctctat ccttgagttt ttttatgttg tcatacacca ggccagactg atttaggtaa 480
aaacnacact cctcatttaa gaatatgcag agtcctcctt tttcagcag 529

```

```

<210> 998
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 496
<223> n = A,T,C or G

```

```

<400> 998
ccaggctggt tttgatctcc tgacctcaag cgatccactg tcctcgccct cccaaagtgt 60

```



```

tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctgg gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccaactcaagc ctggttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgacg 420
cgatgctcaa ggatcggtcc cacgttcacg ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaatnagac tctaggggc 509

```

```

<210> 999
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 71, 90, 154, 157, 159, 197, 215, 247, 256, 269, 299
<223> n = A,T,C or G

```

```

<400> 999
tttttttttt tttttttttt ttttttctgg gaaaagtctt tttaataaaa aagttctagt 60
acatatacac nattgtcttc acccttcatn tatagcaacg caacagggaa aataaaaaat 120
aaggggcaac ctaggcacac tcagtataaa aacncanana tccatccgaa tgggagggcat 180
tggggctctg aaaccanaaa tgcaggacgg ccagnngggc cagcagctct gggctgcact 240
tttgaanaac tttctntaac gttttgaana tagcattaaa aaaaaaaat taagttgcnc 300
caggagg 307

```

```

<210> 1000
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
ccaaacagaa gagaaggcag aggcccacca agagctgatg ctgcgcagtc cttgggggat 60
cactctccgg tctcactggg gacgaaccca ggttctggag cctctcccct gacagacagc 120
ttgtcacccg cacttatggg tcctctggga ttccagacaa tacccaactt ctgtaggttc 180
agaaagtgtt ttcaagcagg cagtggcacc cacaccgggt gggacacacc tcctgggtcc 240
gaaaccactc catcatgtgg ctggtgtgg 269

```

```

<210> 1001
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 248, 250, 256, 265, 414, 448, 462
<223> n = A,T,C or G

```

```

<400> 1001
ccatcaaggc agcaaatcta atgactccgg ggaagaagca gaaaaagagt ttatTTTTgt 60
gtaaagggtc cccacgcaga agtcttccct tgcagggtgc tttggtagcc atcagagagg 120
aaccaagggc aacatctttt ctccccaggc gttcttctct ggggtgcttta ttctcttctt 180
tttctttatt tcgccccac ccccatcccc tgcctttttt tttttttttt 240

```


<210> 1005
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 1005
 ccagggtgagg ccagggaacct acgggcctcct ttgtgtttgtc catggaagac caacttccgg 60
 gcaactgaag ggagggtttgt aggggtccact aggacccctt ggagcatctt ggaggaggtc 120
 tgcggacatg ggggctgggt ggcaaaggaa atacagacct caaagtggcc tacaactccc 180
 tccagggtgg gtccctctga gggatattcc caggccctt ggaagggtaa ggacggggg 240
 ctttgccctc cagctttgtc ttccggtagt taaggcgctt gaaagcttcc aggtcccgt 300
 gggtgcccat gatcagccgg ttcagggttg agagctcaac gatgaggcca cgcacgacgt 360
 tggtggcatc ctccatcctg gagg 384

<210> 1006
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1006
 ccgaagtga ctggcccttg ggtcagctct gtgggaggac ggtgcaaccc aaggactgag 60
 ggactctgaa gcctctggga aatgagaagg cagccaccag cgaatgctag gtctcagact 120
 aagcctacct gctctccaag tctcagtggt ttcatctgtc aagtgggatc tgtcacacca 180
 gccatactta tctctctgtg ctgtggaagc aacagggaatc aagagctgcc ctccctgtcc 240
 acccacctat gtgccaactg ttgtaactag gctcagagat gtgcacccat gggctctgac 300
 agaaagcaga tacctcaccg tgctacacat acaggatttg aactcagatc tgtctgatag 360
 gaatgtgaaa gcacagactc ttactgctaa cttttgtgta tcgtaaccag ccagatcctc 420
 ttggttatatt gtttaccact tgtattatta atgccattat ccctgaattc cccttgccac 480
 cccacccctc ctggagtgtg gctgaggagg 510

<210> 1007
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1007
 cctgattcac tggcctggcg gagatgcttc taaggcatgg tcgggggaga gggccaacaa 60
 ctgtccctcc ttgagacca gcccaccca agcaagcaga catitatctt ttgggtctgt 120
 cctctctgtt gcctttttac agccaacttt tctagacctg ttttgccttt gtaacttgaa 180
 gatatttatt ctgggttttg tagcattttt attaatatgg tgacttttt 229

<210> 1008
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1008
 aaagaaaaag aaaaaagaaa gtggaagtgg tattccccac ccctccctgc acccatgtgc 60
 ctgggcttcc cctttatttc ccttttccat ttaccccgta atgtgtctct acagctacct 120
 taccactgag ccgtaagaca aatgtatagg aagaagcaaa gtctacagca catagtcttt 180
 gtaagggtat gatgtgaaca cttttttttg gatgcactaa ggagttatca atacttctgg 240
 ctttatgaga gctcttaaat tttgtctaaa aaaccaaagg gctgtgagta agggagctat 300
 gtggaaagtg ggactctgaa gtgtattttt aaaattaatc gccaccctct tccaaattat 360
 agaatttttt 370

<210> 1009
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499
 <223> n = A,T,C or G

<400> 1009
 tgcgagtgga gtgtccgctg tgcccggggc tgcaccatga gcgtcccggc cttcatcgac 60
 atcagtgaag aagatcaggc tgctgagctt cgtgcttatc tgaaatctaa aggagctgag 120
 atttcagaag agaactcgga aggtggactt catgttgatt tagctcaaatt tattgaagcc 180
 tgtgatgtgt gtctgaagga ggatgataaa gatgttgaaa gtgtgatgaa cagtgtggta 240
 tccctactct tgatcctgga accagacaag caagaagctt tgattgaaag cctatgtgaa 300
 aagctggtca aatttcgcga aggtgaacgc ccgtctctga gactgcagtt gttaagcaac 360
 cttttccacg ggatggataa gaatactcct gtaagataca cagtgtattg cagccttatt 420
 aaagtggcag catcttgttg ggccatccag tacatcccaa ctgagctgga tcaagttaga 480
 aaatggattt ctgactggna tctcaccact gaaaaaaagc acaccctttt aagactactt 540
 tatgaggcac ttgtggatt 559

<210> 1010
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
 catacttccc ccattattcc tagaaccagg cgacctgcga ctcccttgacg ttgacaatcg 120
 agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccgac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggc caatgctctg aaatctgtgg 300
 agcaaaccac agtttcatgc ccatcgctct 330

<210> 1011
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1011
 aaaaaaacaa caacaacatt ttttcaacaa tttcaacaat gacacaaaaa ttcacatgga 60
 aatggggaag atggtctgtt ttgacagaaa ctgacaggaa tcaatcaaaa caatcgaatt 120
 ttgaattgag taaagtgcaa tttcattgga tagctaaata tctttgtaag atagagattg 180
 ttgaaaattc tatttttgtt tttctagtcc tttcacccca ggactctaaa ttattgggggt 240
 aaaaaacagc cttgcaagaa aaaggggagc tatttttgcg ttttatgttt tttattgtta 300
 aacttgatc ctttcacac cattaggtga tgctttggac agaacagagt attttcatct 360
 tgtgtttcca tcagaataac tacaagccat actgaggcgg cagcaggagc gaccaactga 420
 tcgcacacat gctttgtttg gatatggagt gaacacaatt atgtaccaa ttttaacttg 480
 caaactttct attgcctgtc ccatgtgcct cttattt 517

<210> 1012
 <211> 308

<212> DNA
<213> Homo sapiens

<400> 1012
aaacttggca ttggctatct tcacacattc ctcaagcggt gtgatgaatg tgttacacgt 60
ggcactaagc agagaagagg cttcattcat gttctctgca ctaggagatg aatgattctc 120
atcatggtga acaaattcct gtatcgtatg aacttgctgc attaagaggc cacagtagag 180
gcgaagttca gacatttttg ttttcagcga ttcactgggt tcacttattt ctttttcttt 240
tttagtcctt gtatcagtca aacatgcctt ggagctcccc agagcgacca gccacctctg 300
tctttcag 308

<210> 1013
<211> 422
<212> DNA
<213> Homo sapiens

<400> 1013
ctgattttata atcttctaaa ggaagaacag accccccaga ataagattac agttgttggg 60
gttgggtgctg ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa 120
cttgctcttg ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat 180
ggcagccttt tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca 240
aactccaagc tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt 300
aatttgggtcc agcgtaacgt gaacatcttt aaattcatca ttcctaattg tgtaaaatac 360
agcccgaaact gcaagttgct tattgtttca aatccagtggt atatcttgac ctacgtggct 420
tg 422

<210> 1014
<211> 344
<212> DNA
<213> Homo sapiens

<400> 1014
caagttcttg ttattttccaa atagaatgga cttgggtctgt taaggggctaa ggagaagagg 60
aagataaggt taaaagttgt taatgaccaa acatttctaaa agaaatgcaa aaaaaagtt 120
tattttcaag ccttcgaact atttaaggaa agcaaaatca tttcctaaat gcatatcatt 180
tgtgagaatt tctcattaat atcctgaatc attcatttca gctaaggctt catgttgact 240
cgatatgtca tctaggaaaag tactatttca tggtcctaac ctgttgccat agttggtaag 300
gctttccttt aagtgtgaaa tatttagatg aaattttctc tttt 344

<210> 1015
<211> 464
<212> DNA
<213> Homo sapiens

<400> 1015
cctggggctg ttgagacggg agatgtcccc actgtgctgc tcctggtttt gtctcctctc 60
caatccttga gcaccctgat atgcaacatg gggggtaatc agaaggagga ggcagcctct 120
gatgaggcaa cggctgaggg tgggggcagt gtgtaaggca ccttttgctg tcagcccggc 180
cacactccat cgccagagag aatgccaaag tgtagactga atgaaattct gtaggcaaat 240
ggtaaatggg agctgggcca gtagctattt gcatgggtgg attatatcat gttaagggaa 300
ttctttatct cagcagaggg aacagaggaa tatcttggct aaggctcatcc tgccagtcag 360
gagaagccac cctccaggga ccacagactc aaagtggctg tgggtggagac ccaccgcctg 420
ggtaggggga tgtcaagaca ctgagagggt tccatctgca gtgg 464

<210> 1016
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1016
 aaagttaacc acagcataat gaatcctcaa cgtccagagt tctacaaaaa tccagcaaaa 60
 cttacttttg ctcattcatc agttctatgt cactccttag tttccctaaa aaaatatggc 120
 tttataaaaa gtagcttcta taattcacaa aatgaagagt tttattataa tttgagtatc 180
 atctctgtat caccgacagc acagcttttag aaaattattg cttttcttat tatcttatta 240
 tttcaggttt cattacacat cgagtaccca tgcaggactc actacattgt ataataacta 300
 tgatctatag tgataaaaaat atagaagtat ctttgatttt aatcctaaaa gcagggggaa 360
 aaagtcacct tatcttaatg ttaacaaaat caagagctac ccctaataata tcgatcaaac 420
 cacttcttat ggctttgctt atagttgctc atgggtcctt caaaatgatg tggtagctac 480
 cttcttttct gacaaaggat tatttt 506

<210> 1017
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1017
 ccacagaaaag ttccataaac aagtgtactg ttttaaccaat tcccttctat taccacaaca 60
 atatgtaccc aggggttttat gtatacactt aagatttggg ggaatgcaaa agggaagggg 120
 gactgttttag aatttccttg gaaatgtctg tgcacattac aacgtcccac ggagccaaat 180
 tccttccaaa ctgatgagca agctcttgat tcttgagtca tgatgttatt ttcttctaatt 240
 ttttccgaac cgtctttgtt tgactggaca ccatattgac agcttcagat ggtaggccaa 300
 catatactcc tccatagttt ctctcttgt catcttctgt tacggattct tctgttacat 360
 ctttggctgc tcctgcaggg ccttggcccg cgcccgcgct ggtggcgg 408

<210> 1018
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 1018
 cctcctcaga cactctcaag aggatgggga gatgacatca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacct 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagaaatg 420
 atggaaaaaa gccttcactt caaagaagtc aaatttcatg aagaaaacct ctggcacatt 480
 gacaaatact aaatgtgcaa gtatatagat tttgtaatat tactatttag tttttttaat 540
 gtgtttgcaa tagtcttatt aaaataaatg tttttt 576

<210> 1019
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 1019
 cctgggactg atgcaagaca gccagccagt cacctccgcc tcccatgaac ctcttggaat 60

```

acttctcctg tcccacttct gccaccctcc agctccttga gagagccaga gttgagaaga 120
aaatgagcct gaagttgaaa gggaaagtcc ttgcctgaaa cagtgtctggg aataagtcca 180
gaccatttcc ctcaagagcc acctcttcac tccttaagcc agaggacacc acaaagacac 240
agttaatggc ctctcatgcc actcctcagg ttgcttgtga gggcagccag tgagggactg 300
caggatttca gggaaagtagc tcagatggcc cactcagaac ttctgtaaga atttgaggac 360
aagggtccgc agtcgcactc tgagcatctc gtcattgtcg cagatgatat gggtcgagtc 420
ttcttcaatc tggatgagcg tctcagcctc ctggagcagg acgatatggc ccttggctgt 480
gtcctccacc ttaatatcac tgaagccatg ctgctccaga agaaaagaaa gaggtgggct 540
gggcagactg cacatctgtg agatctgtaa atgacacttc acagactcga ctgaactttc 600
ta 602

```

<210> 1020

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1020

```

caaaaatcct tgaaatacct gggcacagtg gcacacctat aatcctagca ctttgggagg 60
ctgaggcagg cggatcacct gaggttggga gttccagacc agcctgacta acacggtgaa 120
accccatctc taatgaaaat acaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc 180
ccagctactg gggagctgag gcaggaaaat cacttgaact cgggaggttg aggttgcagt 240
gaaccgagat tgcaccactg cactccagcc ttgtgacagt gagactccat ctcaaaaaaa 300
caaaaacaaa aacaaaaaca aaaaaacact gacctgatat ccaagcttta tgtgaataaa 360
aatgtaactt accatcaaat agtcaataaa aaaaatatga aaatggacaa ggttattgaa 420

```

<210> 1021

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 442

<223> n = A,T,C or G

<400> 1021

```

ccaggagcta aacaatttga ggtcaagatg ttgctgtaac aatgttccca cagatcacag 60
aaacacaagt ggacagcaga ggcccttctt gcactagtag ttctacctgg atggggcctc 120
agaggtctga ctttccacag gagaagaaaa tctttgagag ccaattttac tgctgggtgc 180
cgatgttttc ctcaactgtc taaataaatc ttcagctaataaacatttca ataaatctgt 240
tctggtgcct tccattcctt aaactatata gccagagaag atggaacata tgagcttgga 300
ttctgtctct gtacgggatg cagggatata agtgagctga gttttacaca ttccaaagg 360
gccactgata aggtacttcg ggatgcactc caagtgtcct ggctaattaa gataaaccaa 420
agattagacg gcatttctgg cngggtgcag ttggtcacgc ctgtaatccc agcactttgg 480
gaggccgagg caggtggatt actaggtc 508

```

<210> 1022

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1022

```

cggccgagct gacgcaaaca tgcagatctt tgtgaagacc ctcaactggca aaaccatcac 60

```

```
ccttgaggtc gagcccagtg acaccattga gaatgtcaaa gccaaaattc aagacaagga 120
gggtatccca cctgaccagc agcgtctgat atttgccggc aaacag 166
```

```
<210> 1023
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 390, 391
<223> n = A,T,C or G
```

```
<400> 1023
tttttttttt tttttttgtt gtcccagatt tattgaaaat aatacagcac tacagaaaaa 60
attcaaacag gtccccgagg cgttttgaaa ttcaccccaa ctgtaggctg agtgacctga 120
aggttggaca gactgccgaa gtccaaaagc ttcagcattt ccttagtgtc aggatctact 180
tcaataatct cctgatccaa ggctgagacc tcaggaacat aattgtctct cctttctctc 240
tcctcctcct gcagcttgat ggagatacct ctactgggc ctctctgaat tcgcttcac 300
agatgcgtga cataacctgc tatcttggtg cggagctttt tgctggggat aatggcgatc 360
tcctgcgaca cgcgcttggt cgtgtggaan ntcgttgccc aggcgcgtgt agtacttttc 420
tatgatgacc cgggccgcct t 441
```

```
<210> 1024
<211> 135
<212> DNA
<213> Homo sapiens
```

```
<400> 1024
cctgcccatt gccggcaatg gactttgaga aaaccattt cctggcacc aaaagttaaa 60
ttactctttt caaacatac cgatctcccc aacacttgca aaagtattac atgcaccatt 120
ttcccacat tcttt 135
```

```
<210> 1025
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<400> 1025
gtagaacact aattcataat cactctaatt aattgtaatc tgaataaagt gtaacaattg 60
tgtagccttt ttgtataaaa tagacaaata gaaaatggtc caattagttt cctttttaat 120
atgcttaaaa taagcagggtg gatctatttc atgtttttga tcaaaaacta tttgggatat 180
gtatgggtag ggtaaatcag taagagggtg tatttggaac cttgttttgg acagtttacc 240
agttgccttt tatcccaaag ttgttgtaac ctgctgtgat acgatgcttc aagagaaaaa 300
gcggttataa aaaatggttc agaattaaac ttttaattca 340
```

```
<210> 1026
<211> 234
<212> DNA
<213> Homo sapiens
```

```
<400> 1026
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
```



```

caagatcctg agtgacatgc gaagccaata tgaggatcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaac cgggagggtcg ctgg      234

```

```

<210> 1027
<211> 519
<212> DNA
<213> Homo sapiens

```

```

<400> 1027
ctgtgtagta aagatgcctt ctggtgaatt tgcacgtata tgccgagatc tcagccatat 60
tgagatgct gttgtaattt cctgtgcaaa agacggagtg aaattttctg caagtggaga 120
acttggaat ggaaacatta aattgtcaca gacaagtaat gtcgataaag aggaggaagc 180
tgttaccata gagatgaatg aaccagttca actaactttt gcaactgaggt acctgaactt 240
ctttacaaaa gccactccac tctcttcaac ggtgacactc agtatgtctg cagatgtacc 300
ccttgttgta gagtataaaa ttgcggatat gggacactta aaataactact tggctcccaa 360
gatcgaggat gaagaaggat cttaggcatt cttaaaattc aagaaaataa aactaagctc 420
tttgagaact gcttctaaga tgccagcata tactgaagtc ttttctgtca ccaaatttgt 480
acctctaagt acatatgtag atattgtttt ctgtaaata      519

```

```

<210> 1028
<211> 238
<212> DNA
<213> Homo sapiens

```

```

<400> 1028
ctgctaggag cccacctgtg ttcttctga ggggtggggg caccctagtc actgcctaga 60
ggcacatggt ccccccaccag cctacagcat ggaaacaccc aatgtctgct ctagcctatt 120
cttaaccac aactgggatg ggagctgggg acaggagaag gggatcatggg gccaggagcc 180
tattcaggct ctacaaccag acttccttag agaggccccg tgccagttag tccaatgg 238

```

```

<210> 1029
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 1029
ccagaatggg ctatgtgtca cagtcctcgg ggacagcagt gcgttttgtg gtgtgctgta 60
tgctcgtgtg tgtgctgtgc tcgtgtgtgt gctgtgttca tgctgtgtgt gtgtgttgtg 120
tgtgtgtagc tgcgggggatg cataaagtat gactgctttt taggatggga attgagatgt 180
aagatttggg ggtgagggtc gtgccaatta catttcattt gcatggattt tggttttcat 240
gctctgtcct cccctccttt ggtcttactg ggtccctctg actgctctgt gatttttagt 300
gatggaaaag ggagtgagga gccagtcctg gttgttgcta ttttcggatg g      351

```

```

<210> 1030
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 517
<223> n = A,T,C or G

```

```

<400> 1030

```



```
<400> 1037
aaaaaactt taactttatt tcctcacttt cacttaaaac ttgattttat aaaacacatg 60
aaaaaacatt tttaagagtt ctgtatcaca gaacattaaa cagtacaaat atccattgct 120
tcataggttc aagttacata aattaaagtc aaataattgg aaactgattc aatagggaaa 180
```

```

actatacatg aaatgaaggt caaaaggagc tatacagcaa tatttcattg tttatagatt 240
atgagttact ttcaggacct taacaaagat tctgaatatt tagacttcc tttgtgtatt 300
ttatacttaa atatctccct acctatactg agtcaaaacta cttgaccaa acatctgatt 360
taggaaagca tctagcttta tagcacaagt ttttccatct acagttacta tcttcaaagg 420
aatatacatc acaatgttga caaaaaaacc tcctggttcc ttttgaacaa tgtgcaataa 480
attcatgatg ttaactccat ggtaagtcaa ataggtacca aaaaaataaa 530

```

<210> 1038

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1038

```

ctgagagctt catgtccacc agattctgag aggtgtcagc agcacttttt ttttttattt 60
gttgtttgtt ttccatgagg ttatcggacc atgggctgag ctgaggcact ttctgtagga 120
gactgttatt tctgtaaaga tgggtattta accctcctcc accccatcac ggtggccctg 180
agggctgacc cggaggccag tggagctgcc tgggtgccac gggggagggc caagg 235

```

<210> 1039

<211> 440

<212> DNA

<213> Homo sapiens

<400> 1039

```

aaaaaaccca caaaatgctg attcagttca aaattaatgc aaatgtttca aaactggggt 60
tctgatattt gttaaagtgt ttctttatta gataagagtg tattaccatt aaagtcatta 120
gtataatatt gctttcaaaa agaaatgggt gacaaaacta taatccagca tcttttattg 180
cattggaaaag actggcaaaag tcttttggat ggggtgggag atgtggctgg aaagtacttt 240
ggaaaatata caatcaagat atctcatggc atattaaaag aaaaatctta atagcagtgt 300
tggcttttat ttggattttt tcatctcagt tttttctgtg gaatctcctt cattggcatt 360
gttattttaa cataaacggg gcagatgtct acttgttcag tttttcaa atctgttttct 420
gagtataaat aagagtattt
440

```

<210> 1040

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1040

```

ccaagatgaa gaaagtcatt catttacagg atgtagaagt gaagaacgcc acacagtgga 60
aggataagat aaagagtcag cgaatgagaa tcagcacgga gttttcaaag ctgcacaact 120
tcctggttga agaagaggac ctgtttcttc agagattgaa caaagaagaa gaagagacga 180
agaagaagct gaatgagaac acgttaaaac tcaatcaaac tatcgcttca ttgaagaagc 240
tcatcttaga ggtgggggag aagagccagg ctcccaccct ggagctgctt cagaatccaa 300
aagaagtgtt gaccaggagt gagatccagg atgtgaacta ttcccttgaa gctgtgaagg 360
tgaagacagt gtgccagata ccattgatga aggaaatgct aaagcgattc caagtggctg 420
taaacctagc tgaagacaca gtcacccca aactcgtctt ctcccaggaa gggagatatg 480
tgaaaaatac agcatcagcc agttcttg
508

```

<210> 1041

<211> 212

<212> DNA

<213> Homo sapiens

<400> 1041
 ccatttctctg caaccatcag cgagcaaccc ccagtacgtt cgagaagtcg atgcagaatc 60
 tccagacgaa gatccaggca aagaaggagc aggtggctga ggccagggca gagctgagga 120
 gggcgagggc tgagcacaaa gcccaagggg atggcaagtc caggagtgtc ctggagaaga 180
 agaggcggct cctggagaag ctgcaggagc ag 212

<210> 1042
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 1042
 aaagcctttt tttaggccac attgacagtg gtgggcgggg agaagatagg gaacaotcat 60
 ccctggctgt ctatcccagt gtgtgtttta cattcacagc ccagaaccac agatgtgtct 120
 gggagagcct ggcaaggcat tcctcatcac catcgtgttt gcaaagggtta aaacaaaaaac 180
 aaaaaaccac aaaaataaaa aacaaaaaaa acaaaaaacc caagaaaaaa aaaaagagtc 240
 agcccttggc ttctgcttca aaccctcaag aggggaagca actccgtgtg cctgggggttc 300
 ccgagggagc tgctggctga cctgggcccc cagagcctgg ctttgggtccc cagcattgca 360
 gtatggtgtg gtgtttgtag gctgtggggg ctggctgtgt gg 402

<210> 1043
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1043
 aaaatcaaca attatggttt tcctacacaa aacccccacc ctcccaccca aaaaccctag 60
 gtgctacagt tccatggctt gccagtaagt agtgtctatg ttgtcaagggt ctatctttgt 120
 tccagtagct tgcttctact gcacttttct 150

<210> 1044
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1044
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaaagc acccaaagggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcaac aaacttgcat 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccagttgggg gccagtg 467

<210> 1045
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 1045
 ctgccttggg gtgcgccctc gcagagatga tggccgcctt tttctgttgc tcagcctttt 60
 ccaccacaaa tctggccctc tctgcttctt gctgagccac ctggttggtt tccaccgctt 120
 ctgtgaactc cttcccgaag gtcagatgtg tcaaggacac gtcattccagg atgagcccaa 180

```

agggtggcggc tgcgtctgta aggtcgtcgc tcacctgcct ggagaccagc tctctctggg 240
tgattagttc tccagcatca aagcgagcca ccaactgactt gaggatctca gttgtgatgg 300
acggcagcac acgctcatca tagtcctctc cgatgctggt gaagatgcga ggaagctggc 360
tggcgacagg ccggaagagg atgcgcagtg tgatgttgac attctgtaa tctttgctac 420
cagtgatgac tggcacatta cgtggtcgag aacggcagtc aaagataatt ggtttctgta 480
cccacgggat gagaaaatga gtcccttccc ctaccacaat gtcttgact ccacggaatc 540
ggt

```

<210> 1046

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1046

```

cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt tccccggcgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttggt gggttaagtc ccattgggtc 180
agtaagggct tagcttaatt aaagtggctg atttgcgttc agttgatgca gagtgggggt 240
ttgca

```

<210> 1047

<211> 471

<212> DNA

<213> Homo sapiens

<400> 1047

```

ctgaaggaac ggtgcagaat cgaaccacat actggtctgc tcttgctttc agtacagaag 60
agaagcatgt ccttccaagg aatcagacaa cctgtgaccg tcaactgagct agtagattct 120
ggtatattga gaccgtccac tgtcaatgaa ctggaatctg gtcagatttc ttatgacgag 180
gttggtgaga gaattaagga cttcctccag ggttcaagct gcatagcagg catatacaat 240
gagaccacaa aacagaagct tggcatttat gaggccgtga aaattggctt agtccgacct 300
ggtactgctc tggagttgct ggaagcccaa gcagctactg gctttatagt ggatcctggt 360
agcaacttga gggtaccagt ggaggaagcc tacaagagag gtctggtggg cattgagttc 420
aaagagaagc tcctgtctgc agaacgagct gtcactgggt ataatgatcc t 471

```

<210> 1048

<211> 410

<212> DNA

<213> Homo sapiens

<400> 1048

```

ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
acgtcgcctt ccacttcaat ccgcggtttg acggctggga caagggtggc ttcaacacgt 120
tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtcctgg ctgagcacta caagggtggtg gtaaattggaa 240
atcccttcta tgagtacggg caccggcttc ccctacagat ggtcaccacac ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatcgagg ccagcccctc cggccccagg 360
gacccccgat gatgccacct taccctggtc ccggacattg ccataacag 410

```

<210> 1049

<211> 274

<212> DNA

<213> Homo sapiens

<213> Homo sapiens


```

ctgtgctcct ggatgggttt accacaagtc caattgctat ggttacttca ggaagctgag 60
gaactgggtct gatgccgagc tcgagtgctca gtcttacgga aacggagccc acctggcctc 120
tactctgagt ttaaaggaag ccagcaccat agcagagtac ataagtggct atcagagaag 180
ccagccgata tggattggcc tgcacgaccc acagaagagg cagcagtggc agtggattga 240
tggggccatg tatctgtaca gatcctggtc tggcaagtcc atgggtggga acaagcactg 300
tgctgagatg agctccaata acaacttttt aacttggagc agcaacgaat gcaacaagcg 360
ccaacncttc ctgtgcaagt accgaccata gagcaagaat caagattctg ctaactcctg 420
cacagccccg tcctcttcct ttctgctagc ctggctaaat ctgctcatta tttcagaggg 480
gaaacctagc aaactaagag tga 503

```

<210> 1058

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1058

```

ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtgggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggg tgcattgtgg atgcaaatct gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaag 420
cacccaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggc 474

```

<210> 1059

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1059

```

gctggctagt gtccccaaga tcctgagggg actgggtgcct gagaacctca tacgcctgat 60
gtcctcggag gagtggaaaa agagcatcct tctagcctat gacaagcata aggacaagac 120
agtggaggag gccaaaggtg ccttcctgaa gtggatctgc cgggtggcca ccttcggatc 180
cgctttcttc gaggtgaagc aaacctcgga gccttcctac ccggacgtca tcctcatcgc 240
catcaaccga catgggggtt tgctcatcca cccaagacc aaggacctgc tcaccaccta 300
tcccttcacc aagatctcca g 321

```

<210> 1060

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 410, 411

<223> n = A,T,C or G

<400> 1060

```

aatggagtc cacagactaa aggtcatgtt ccgagactga agctttcaaa tgaccctagt 60
tccaatatag acactttctt cagtttatca gtagctttta aaagaaattc agaaactaag 120
cggttggaga ggagcattgg aaatagaggg ggatgctatg agatgggggt tgggagcaga 180
gaagaaactg caggagggca aagtgtaaact agcaatatac cttctgtgat gctccagaaa 240
cacatgtctg ctaagattaa cttgattgga gtttcttatg aaacaggctg atcatcaaga 300

```

```
<210> 1061
<211> 436
<212> DNA
<213> Homo sapiens
```

```
<210> 1062
<211> 544
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 442, 488, 511, 512  
<223> n = A,T,C or G
```

```
<210> 1063
<211> 379
<212> DNA
<213> Homo sapiens
```

```
<400> 1063
ctgcagcctg ggactgaccg ggaggctctg attgtttacc caccacaggt aggttgcgtc 60
ctgagtctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
gttgctggag atggagggtt tgggcagctc cgggtataca tggaaactgtc cggttgcttc 180
ttcattcaca agatctgact ttatgacttg tagggtatag aatcctgtgt cattctgggt 240
gacgttctgg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
ccctggggta gcttgttgag ttcctattac atatcctaca attagactgt tqccatccac 360
```

tcttttcgctt ttgtaccag

379

<210> 1064

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1064

```
ctggtcctgc agacaggtgc tcttgtcctg agtgacaacg gcatctgctg tatcgatgag 60
ttcgacaaga tgaatgaaag tacaagatcg gtattgcatg aagtcattga acagcagact 120
ctgtccattg taaaggctgg gatcatctgt cagctcaatg cgcgcacctc tgtcctggca 180
gcagcaaata ccattgagtc tcagtggagt cctaaaaaaaa caaccattga aaacatccag 240
```

<210> 1065

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1065

```
aaaaaaggca tttggagaaa ctggtagatg tcttcaacat atagttcaaa taaattagtt 60
gtatgtgtac tactgaatcc tctttcaacc tctcttgcat tccaaataaa atcttagtgc 120
aaacatcaaa gttgctgggc actccaaaag actgctaaac tcataataga atacaagatc 180
tgaattactg tgtattaagt aggaaaaccc aagaatacca gttactgcaa aattcattta 240
ggcacattta atagtcact ctaagcattt tttctaagtc tctcacatta atgactaaag 300
cctgtttaca gtactaaaat tctatcattc aagcatcaat gattacattt cagaaaaagg 360
aaattcattt cagtaatagc attactgcta tatcctaaaa aaaggagaga aaataaagaa 420
tcataattaa caaaaccagt atccataata ggatacacag ggaaaaacat tttaggagaa 480
aaaaaagtgt gctttacttg ccacagcagg aattatataa tgtaaacacc ata 533
```

<210> 1066

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1066

```
ctgatgtttg aaatatctgt ctacatttaa ttagatgtgt tgtatttacc aaggaggcac 60
aaatatgtag ttctgtagat tttaatacta acttttccag taagaaaaat aataccaggt 120
gatttcaaaa agggcagtga tctataaaca ctcaaaatgc atctttgaac aggggagcag 180
aaatagctaa tttaatgaaa acaaacctta agcactttac ttggcttcta ataagcatcc 240
caagaaaagg tacctgagag ggggtgacaa gtacactgtg tctagaacag ccaagatggt 300
gccaaagttt tatgctttga atttcctaaa tatatagcta gcagaaacat atgccagaaa 360
tctactgatg ctaggaaaat atttttgtca gcattttgta aaatctctaa ctttcaacca 420
atatttctgt tcataaatct tccagtgaat atgtctgaaa tatattacat gtaacaatga 480
agcaagatta atttta 496
```

<210> 1067

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 456, 486, 507

<212> DNA
<213> Homo sapiens

<400> 1071
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatctt atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccatattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgotgtatcc 420
tcaactcttg aagcagtgtt ccttgtgctt agcagtaaat gttgcctaatt ttggggcatg 480
ctgggtgtgtc tgcagactgt tcttgtatg 509

<210> 1072
<211> 563
<212> DNA
<213> Homo sapiens

<400> 1072
ctgtcactcg aagaatacca ttcacatcta tctcaaagggt gacttcaatc tgtgggaccc 60
cacgaggagc aggaggaatt ccagtcagat caaatgtacc cagaagatga ttgtcttttg 120
tcaggggtct ttcaccttca tagaccttga ttgtaacagt tggttgatta tcagaagctg 180
tagaaaagat ctgagacttc ttggtaggca ccactgtgtt ccttggaatc agtttggtca 240
tgacacctcc cacagtttca ataccaagtg taagggggaca tacatcaagc agtaccaggt 300
cacctgtatc ttgatcacca gagagcacac cagcctggac agcagcacca tacgctacag 360
cttcatctgg gtttatgcc aaggatggtt ccttgccatt gaagaactct ttaaccagtt 420
gctgaatctt tgggaattcg gtgcagccac caacaagaac aatttcatca atatcagact 480
tcttcaaate agaactttcc aacactttct ggacgggctt catagtagac cggaacagat 540
ccatgttgag ctcttcaaatt ttg 563

<210> 1073
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 321
<223> n = A,T,C or G

<400> 1073
caaaacccca ctctgcatca actgaacgca aatcagccac ttttaattaag ctaagccctt 60
actagaccaa tgggacttaa acccacaac acttagttaa cagctaagca ccctaataca 120
ctggcttcaa tctactttct ccgccgcgg gaaaaaaggc gggagaagcc ccggcagggt 180
tgaagctgct tcttcgaatt tgcaattcaa tatgaaaatc acctcgagc tggtaaaaag 240
aggttttgta caagcttttt ttttttttt ttttttttt ttggaaaaaa aaatgggtag 300
tgtatatatt gcaggtttta nacaactcag gacaataaaa acaatggact ttacatgtgt 360
atatatatag ctctcttagg caccataatc agtatgagcc aacaatattt 410

<210> 1074
<211> 499
<212> DNA
<213> Homo sapiens

<400> 1074
 gtggaagcag gtgtgagagg gtccagcaga aggaaacatg gctgccaaag tgtttgagtc 60
 cattggcaag tttggcctgg ccttagctgt tgcaggaggc gtggtgaact ctgccttata 120
 taatgtggat gctgggcaca gagctgtcat ctttgaccga ttccgtggag tgcaggacat 180
 tgtggtaggg gaagggactc attttctcat cccgtgggta cagaaaccaa ttatctttga 240
 ctgccgttct cgaccacgta atgtgccagt catcactggt agcaaagatt tacagaatgt 300
 caacatcaca ctgcgcatcc tcttccggcc tgtcgcagc cagcttcctc gcattctcac 360
 cagcatcgga gaggactatg atgagcgtgt gctgccgtcc atcacaactg agatcctcaa 420
 gtcagtgggtg gctcgctttg atgctggaga actaatcacc cagagagagc tgggtctccag 480
 gcaggtgagc gacgacctt 499

<210> 1075
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 1075
 ccagtttggg gaacgcgctg acatactgct cggccacagt cagtgaagct gctgcatctc 60
 cattatgttg tgtcagagct gcagccagga ttccaatagc ttccagcttta gctttggcct 120
 tcgccagaac tgcactggcc tctcctgctg cctgatattat ctgttcagcc ttttctgctt 180
 cggaggccag gatctgggcc tgtttcttcc cttctgccac attgatggcc gactctcggt 240
 tccccctaga ctctagaact gtggcccgtt tccgccgctc tgccctccacc tgcattctgca 300
 tagactcttt caccgcgggt ggcacatgga tatccttgat ctcataacgg aggcagcgga 360
 taccacagca gtcagcagct tggttgatgg catccacaat gctggcattc agggactccc 420
 gttcccggaa gactttgtcc agagagag 448

<210> 1076
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 1076
 ctgtggattt caaaacacag tgtattctag atcatctaag atccatgctg atttttattg 60
 cacaagaatt aggtttgaac tcttgagctg gaacctcagc aaactagagt atatattggt 120
 cagtatttct ttggaaacat ttcattaatg tacttgtctt acagaaaatt ctgaacttta 180
 gtaaaaaaaaa taaagttaaa cttttaaaac tcaaaaaa 217

<210> 1077
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 1077
 ctgcctattt ccacatcttt caatccatct ggctccttaa ataggggaaa aagcccttat 60
 ttggtggaga agcatttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
 aactgttaaa atagggcctt ttgtgttttg ttatttcacc ttaatatcac cagaattcct 180
 gtaattccac aattgtgatt ttactatgta gaagataatt cagttctagt ctattgcttt 240
 agatgtaaaa acag 254

<210> 1078
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1078
 ctgtccctgg atagtgccac ctttgccctt ccccaggatt ttgggcttgt tttgcaaaca 60
 ctcaaagagt acaacctagc cctgaaaaga ctgagcttcc atgacatgaa tctcgctgac 120
 tgtcagagcg aggtgctctt tttgctacag aatctgactc tgcaagagat taccttctcc 180
 ttctgccgtc tgtttgagaa gcgccagcc caatttctgc ctgagatggg tgctgctatg 240
 aagggcaact ccacactgaa gggcctccgg ctgccaggga accgcctggg gaatgctggc 300
 ctgctggcct tggcagatgt tttctcagag gattcatcct cctctctctg tcag 354

<210> 1079

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

<400> 1079
 gcacagagct gtcattcttt accgattccg tggagtgcag gacatttgtg taggggaagg 60
 gactcatttt ctcattccgt gggtagacaa accaattatc tttgactgcc gttctcgacc 120
 acgtaatgtg ccagtcattc ctggtagcaa agatttacag aatgtcaaca tcacactgcg 180
 catcctcttc cggcctgtcg ccagccagct tcctcgcata ttcaccagca tcggagagga 240
 ctatgatgag cgtgtgctgc cgtccatcac aactgagatc ctcaagtcag tggaggctcg 300
 ctttgatgct ggagaactaa tcaccagag agagctggtc tccaggcagg tgagcgacga 360
 ccttacagag cgagccgccca ctttgggct catcctggat gacgtgtcct tgacacatct 420
 gaccttcggg aaggagttca cagaagcggg ggaagccaaa caggaggctc ancaggaagc 480
 agagagggcc agatttgtgg tggaaaaggc tgagcaacag aaaaaggcgg ccatcatctc 540
 tgctgagggc gactccaagg cag 563

<210> 1080

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 482

<223> n = A,T,C or G

<400> 1080
 aaaacttgga gaagctggct gggcgcggtg gctcacgcct gtaatcccag cactttgaga 60
 gaccgaggcg ggcggatcac gaggtcagga gatcgagacc atcctggcta acacgggtgaa 120
 accccatctc tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtggtc 180
 ccagctactc gggaggctga ggcaggagaa tagtgtgaac ccgggaggcg gagcttgacg 240
 tgagccaaga tagtgccact gcacttcagc ctgggtgaca gagtgcagacc ctgtctcaaa 300
 aaaaaaaaaa aaaatcctgg agaagccaga acaatatata aacaagtatg tggaggcaga 360
 tttgctttat tccaagaggc tgtttgagt tgtgtctgcc taagcctcct tatagcctat 420
 ttttctactt gctgagagag taatatataa ggaacagtga gggagtggaa ggagagcctt 480
 anttagagcg ttcccatctt tggcct 506

<210> 1081

<211> 462

<212> DNA
 <213> Homo sapiens

<400> 1081
 aaatttaaga tagtttgtaa gaactgtaca aaaaaatgct tctggagatt tctttggcag 60
 aaatgccttt catctataat ttcattggaga actgctttaa ttagcctagg tgaaaagtag 120
 tcctagcagt gtaaataatgt ataattagag ttttctaatt tcaactgtgag atctctaact 180
 tttgagtggc aaacagatca agtccttttgc tcatagactt ttctgtgggg ttattaaaaat 240
 gcaaaaagctt tatttttttt aataatgcca tactccatta gtgtcagatg atgggatgga 300
 atttgttccc ttgctttccc ccactgttac tgcttcagtt tatagattgc cagcagagtt 360
 cagaaataga gcagggattt acccgttctt tgcttggaca tcccattttc ttttgtccag 420
 acccatgttg gcaatcatgt atgaactgtg ttatacttot ca 462

<210> 1082
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 1082
 aaataccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
 ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
 cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcattgcctt 180
 tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
 acttaggatg agttacgaat tctttcagga atgctgcag 279

<210> 1083
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 1083
 gtggaaagtc caacagatgc ccactcaca agatagggcc ctccaatcag tcttctggct 60
 cccttttact catagtaact ggttgctctt cctattggtc atagataaat gacacctgca 120
 caattctccg agtgctttca agcaacttcg ggaggcagtg actaagacc tttccttgcc 180
 ccagcttcc tatgtcccag ggctgcctgt ggcacctgga ctgctgctgc ccctgggtcc 240
 cgtacattcc agggcaacaa tggaggaaag gcaggcaacg catgaggaat taacagtctt 300
 tattgggctc agaccaggag tccgtggg 328

<210> 1084
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 415
 <223> n = A,T,C or G

<400> 1084
 tttttttttt ttttttccat tcctaggggg aatgggcccc aagggttttgt ttttttattt 60
 cgttttttgg gtacaggtag tgtttggtta catggatgag ttcttttagtg atttctgcga 120
 ctttagcgca cccatcaccg gagcagtgtg cactgtaccc aatatgtagt ctttcatccc 180
 tcaccccact ccaagattta gttctgccag acgatacatg ttgccttcac ttcttttttag 240
 tttatttggc tggacccatc taagtcatatc ttaaaactct ataaagcatt ttttttcttt 300


```

gaaatggtct cagctccttc ttgatcctct ccattttcca cccaatctcc tctatccctc 360
tccctttact gcctgaaatc ggctgtagat gtagcagttt ctggaggaaa tgaanatttg 420
tgggtggttct ttccagtcac caggttgtga aagtctta 458

```

<210> 1085

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 550

<223> n = A,T,C or G

<400> 1085

```

ctgcaaggat tcagcaccag ttatgtttga atgaaccctc cttttctctg agattctggt 60
ccctggaaat ccctttctgc tagtggtgag catgtaagtg ttaagttttt aatctgggag 120
cagggcatag gaagaaaatg tcagttagtc taatgcattt tgcactagaa cgcttcggga 180
aaatattcat gcttgccatc tgttcatttc taaatttata ttcataaagt tacagtttga 240
tacaggaatt attaggagta attcttttct gtttctgttt ataatgaaga acaactgtagc 300
tacattttca gaagttaaca tcaagccatc aaacctgggt atagtgcaga aaacgtggca 360
cacactgacc acacattagg ctgtgtcacc attgtgtggt gtacctgctg gaagaattct 420
agcatgctac ttggggacat aatttcagtg ggaaatatgc cactgaccga ttttttttct 480
ctctttgcag tggggctagg acagttgatt caacaaagta tttttttctt ttttctcagt 540
cctaatttgn acaggtcaaa gatgtgttca ggcattccag g 581

```

<210> 1086

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1086

```

aaaaacacac ctcaccaagc tcagccacca gcttaaaaag gactggacaa tacttttacc 60
actttccctt ctcagaaatc aggcctgtcc tcagaatggt acaaggtaca gccattttaa 120
gctcttt 127

```

<210> 1087

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1087

```

aaagggttaat ttgtagaaca aatgtttttaa ctatactttt tttctactct atactcccca 60
gttacaatat ttacaaaggg ctgaagtcta tataaaaaaa tgatctttgg ctgggcatgg 120
tggctcatgc ctgtaatccc agcacttttg gaggtcgagg caggcggatc acgagggttag 180
gagtttgaga ccagcctgac caacatgaag aaacctgtc tctactaaaa atacaaaatt 240
agccaggcat ggaggcaggc gcctgtaatc ccaactactc gggaggctga ggcaggagaa 300
tcgcttgaac ccgggaggcg gaggttgcgg tgagttgaga ttgtgccatt gcactccagc 360
ctgggtgaca aagcgagtct caaaaaaaaaa aaaacatctt ttactttccc ccatccctca 420
ttttagtcaa acttctccca cctcatctct gcc 453

```

<210> 1088

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1088

```
ccagcggctg gtaaggagcc agggcttcca ggtaggagaa gtctgggtcc gtgaatatga 60
cggatttgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcgga 120
gggaagggtg cccggtgaac accacacagg gctgtctaaa gtctgtgctg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300
aaaactccag tgaactggtg g                                     321
```

<210> 1089

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1089

```
cctgtggtgt aggggactga attttttttt taacttctat tccattttta ttgtaggata 60
tctttgtcca tataccagg tgtcctgatt tgaatgtact atttgatcct cattgtgttc 120
aggcaaaaaa taggaaatga gtaattttga gtttgaaatc tctcccagaa gacaaaactac 180
ttcagtgagt aaaagctttg acatttttatg ttttattcat aaaggggggt aattatttgc 240
tacaaagaag cacgatctat tttcatcatc gatttgaaaa tatctgtaac tcctatagat 300
cctataggca gagagttttc ctttctgact ttttcccttt gctttcgtgt gaccacatgt 360
tttctgtacc agtcactggg gaaagaagtg agtttatctc gtttgtttt 409
```

<210> 1090

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1090

```
aaactcaaga ctgggtccag gagagaggag gacggacact aggttgaggg gccaggccac 60
actcactctg gaccacctgt tgttcccggg tcaagttccc agggtcacac cagcctgcct 120
ctgcaggaca agaggaccaa gctgcccttg agtggacact gtgaggctgg ggctcgtgg 180
agctcttcac atggaccaa cgggaaaatc aggaaagctg gtagtgctg gagcttcact 240
cccagccagg gcagcacctc tggcctctaa ggagaaaggc c                                     281
```

<210> 1091

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1091

```
agggcctcct gcattccgtt tctctggccg gaagggtcta gtgttcatcc ctctcaggct 60
ttggcctcct cccactctcc cgccctgggg ccattcgtt taggaagaat gggagagccg 120
gtcgtggccc ctgggagggg taaaggaggg aggccttggt aacctctgct ggggaggacc 180
cagtacagtg gcagctcctt gtcggggaaa gaacggatct ggggaaagaa cggatctgct 240
tcacacgctc ttacagggga accctaaggg gcctgagggg tagggcttgg tctccacca 300
gaggaagga gaaatttttc gtagctgtaa gaaatgtatc agaagccatg gaacatttac 360
agccgcacac gctgggtctc ccaacaaaca gatcccaaaa atattttcca gtgctgtact 420
cgtggcatag acccagaccc acagaccagg aggaagcgct ggagatgtca acagccaac 479
```

<210> 1092

<211> 520

<212> DNA

atgaggtcaa gtgatcgaga ccataccttgc caacatggtg aaacccccgtc tctaccaaaa 60

```
tacaaaaaat tagccaggcg tgacgggtgcg tgccctgtagt cccaactact cggaaggctg 120
aggcaggaga attgcttgaa cccgggaggc agagggttgca gtgagccgag atcgaccac 180
tgactccag cttggcaata gagtgagact ccatctcaaa aaacaaaaca aaacaacaac 240
aaaataaact actgtggcag cgttgggtacc ctgcatcact gccatggttg tgctattctc 300
atctcaacat agaattggtg ggttctccta aggggtgtcag gaacctctaa aaagatgtga 360
ttctttggga ggggatattt gaaattccaa cttccattcc ccctagcaaa aggaagcag 419
```

<210> 1096

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 47, 48, 63, 68, 79, 83, 102, 104, 106, 107

<223> n = A,T,C or G

<400> 1096

```
tttttttttt tttttttttt tttttttttt tttttttttt ttttttnnoc cttcctccaa 60
gtntttnttt tttttttgng ttnttaaaaa aaaaacaaaa ancncnncca aa 112
```

<210> 1097

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1097

```
ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtccg agagagatgg 60
aggctctgag gaccaagtgg aagaccagc actaagtgg cctggggagg aacctcagcg 120
cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 180
aggggacatc gctgttcccc ag 202
```

<210> 1098

<211> 491

<212> DNA

<213> Homo sapiens

<400> 1098

```
aaaaagtcag tatcatctct cttgtggagc taccagaaca ggtttttcaa acagaaaagg 60
ggaacaaacg tggggaacaa acgtggggcg cttggctatg ttaagaattc ttatcactag 120
aatactgctt cgagacgttc atagtacttt caaaagaag ccaccacct caaagagccc 180
tgcgagccc cagtgacca tgagtgtggc agccgtcatt ttattagcca ctgttgga 240
tcatcaaagt attcactcag agtggggaaa ttacttaata tcaacgatat taacgatttc 300
catgtattta gctttgtgac acacaatgca caagggtctt caaatgtttg ttttttacac 360
cagtggtaga aaattgtcat tcttcggatt caacacactg gtggatgaca ctttagtgaa 420
gtgtgactac ctagaagagc aggaaggcag ctccctgattc tgactggggc agcctcttcc 480
agaaggtgac t 491
```

<210> 1099

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1099

aaaactccag tgaactgttg g

321

<210> 1104

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1104

```
ctgagttaca agagaaaatg atcacatgca tcagaggctt ggagaaagct aaagtgattc 60
agccaggcta cgggtgttcag tatgattact tagatccccg tcagatcacc ccttccctgg 120
agactcattt ggttcaacga ctcttctttg ctggacagat caatggcacc actggttatg 180
aggaagctgc agctcaaggt gtgatagccg gaatcaacgc cagtcttcgg gtcagtcgca 240
agcctccctt tgtggttagc cgaacagaag gttacatagg agtcttgatt gatgacctca 300
ctactctggg caccagtga ccataccgca tgtttaccag ccgagtagag ttccgtttgt 360
cactgcgccc tgataatgct gacagccggc tcacactgcg aggggtataaa gacgctggct 420
gtgtgtccca acaacgatat gaaagagctt gttggatgaa gtcttcttta gaagaaggca 480
tttctgtgtt gaa 493
```

<210> 1105

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 156, 189

<223> n = A,T,C or G

<400> 1105

```
ctgggtgaagg aactcaagga ggcttttaggt attccagccg ctgcctcttt caaacatgtc 60
agcccagcag gtgctgcctg ttggaattcc actcagtga gatgaggcca aagtctgcat 120
ggtttatgat ctctataaaa ccctcacacc catctnagcg gcatatgcaa caccaagagg 180
ggctgatang atgt 194
```

<210> 1106

<211> 337

<212> DNA

<213> Homo sapiens

<400> 1106

```
ctgcacggac caggttcccc caaaacattg ccagctagtg aggcataatt tgctcaaagt 60
atagaaacag cccacctgtg ccacttttga ccattggtga ggatagatat aaaatcactt 120
cttccaacga agcctagggtg aaaatctatt tataaatgga ccacaactct ggggtgtcgt 180
ttttgtgctg tgacttccta attattgcta aagaactact gtttagttgg taatggtgta 240
aaattacatt cagctccttc ttgtcatata aaaggaattt ggagggtgtc gcttaaaatt 300
ttattccacc tgtacatttg tcactttacc tcggccg 337
```

<210> 1107

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1107

```
ccatatggta gagatgaggg aaggatggac tagaagcaag ctgggtcttc tgggtcgtct 60
```


<213> Homo sapiens

cctcaaagag	gtggagagac	ttatccaaga	acgtggcttg	gagttcatgt	ggaatgagcg	60
tttgggatac	atcttgacct	gtccatctaa	cctgggcact	ggacttcggg	caggagtgc	120
catcaaactg	cccctgctaa	gcaaagatag	ccgttccca	aagatcctgg	agaacctaa	180
actccaaaaa	cgtagtgact	gaggagtgg	cactgtgtgt	acaggcgggt	tctttgat	240
ttctaatatt	gaccgactag	gcaaatcaga	ggtggagctg	gtgcaactgg	tcctgatgg	300
agtaaaactat	ttgattgatt	gtgaacggcg	tctggagaga	ggccaggata	tccgcattcc	360
cacacctgtc	atccacacca	agcattaact	ccccatcgcc	ag		402

<211> 363

<213> Homo sapiens

cctaagacaa	tgaagaggaag	ccagagcaac	agaccacctt	gggatccggg	gagaaggggt	60
aatgggcaaa	aggggttgtat	tctctgatgc	tctcagaaca	tcaagaccaca	ccatgtgaat	120
ttaagcagga	ctattttaag	tggggaaaca	atactagaag	catttggtgt	attttcctgg	180
cactcacctc	ctaggtaagc	aggagagcgg	gacactcagg	agttgtgact	aaactcacac	240
ttaagctgcc	tgtccagacc	gtcccttgg	ctgaacacaa	cactgaaatt	gtggcagtgt	300
ctgttgcccc	agtggaacctc	ccacttacta	atgagtatgt	aaaacagagg	agccacagtg	360
agg						363

 $\langle 211 \rangle$ 223

<213> Homo sapiens

```

aaaagacctt tagtccgttc tacttttctt gaagagggag gaccgtaagg gatataaagg 60
tttacttgaa tactaagagc ctgaaaaact gcttggtctg ttgactaat aaaggctggg 120
ctgttatcag actgtataga ggtgggaagg ctaactgag gaattgtgtc tgacagaagg 180
gaagaaatga ctgtggtgac cttctcagac cctgtaggaa agg                223

```

<211> 452

<213> Homo sapiens

aaaacttgc	ttgttttagaa	ttccacctc	atttttccat	ggacaaaagt	attcttttatg	60
tcctagtgc	cttacaattt	ggtattacct	gggagtga	agaaatatta	cagccatgcc	120
taactgactt	cttgaggtaa	gattgttctg	tcagaaaacc	ctctcccagt	tcccctgcag	180
ctcttcagga	atccacatct	ctccagagct	ctttgttctc	atgggtggca	cctccagagt	240
gaagaagatc	ctttgtcaag	aagggaaca	gaggggaaat	gagaggggcc	tgcaggcaga	300
ctctggaatc	acttccactc	tgcctcttgc	aagctgtgtg	accctgggca	caattttctcc	360
ttctctatgga	aacctctgtt	tctttagatt	tgagcaggg	tggtcacact	gaccttgacg	420
agttctgaqa	atcaqaqaca	gaacataaaa	gg			452

<211> 367

<212> DNA
<213> Homo sapiens

<400> 1115
ccagttgggc agctctttcc acgatggctt tgcggttctt ggaggaaaca ttgtgagcaa 60
tctcggcaca gtaagatttg ttgcacatca gcagcacttc cagctccttg acgttgtgga 120
ccaggaactt ccggaagcca ctgggcagca tgtgctttgt ttttttggtg cttccataac 180
caatgttggg catcaagatc tggcccttga atcttctacg aaccctggtg tcaatgcctc 240
tggtgttccg ccagttacgc ttaattttga catatcggtc tgactggtgc cggatgaact 300
tcttggttct ctttttgacg atcttgggct tcacaagggg tctgagggcg gccatgatgc 360
cgagaag 367

<210> 1116
<211> 387
<212> DNA
<213> Homo sapiens

<400> 1116
ccataaagga ggtaaaaatg aaaaccataa cctaactttt atagaggctt tatctttaat 60
ttaacgatgt gcggaggact ttcttgcttg aatctgttcc gggctgtctg ctctgtccat 120
caaattggga ggtctggaat ggggcacctt cggccgttca gaagtggcct gaacagaatg 180
ctggaaccca ggctggactc ggacacacta aggttttgat tttgaatttc agccttatta 240
gaagatctaa cctaagagta agctaaccac agggattctt ttgtagaaca ctttttatgc 300
agatgaagct attttttcca gcaagtagat tcttccagtt tttccaagga gtaatttccc 360
cgaattggca taccacggcg tggacag 387

<210> 1117
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1117
cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggtaag agcgggggtgc acggtagccca gccttgctct cattcccagg 180
acaggaacag gagagcagtg cactcaccag gatgactagg gcagaccctg cccagccaat 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggg tataaaagtc 300
tgtgacaatc tgatgg 316

<210> 1118
<211> 448
<212> DNA
<213> Homo sapiens

<400> 1118
ctggcaaaga taatgcttct gctgggctga aacccatctg aaagagaaaa aagttagctt 60
tacctgagga aaggttatac acagacaagg atggaaggta tcccacttaa gatgaatcag 120
aaggtctaata tccaagatag cggattccaa aatctttttt ttctgagcca aaaaagaaaa 180
aaaaaactaa caaaatcttt ttttgagacc ccaggtaaaa gaataaaaga ataggaataa 240
ttttttttta agtaacctac aaagagcaag ataggagatc tgcaaataag attttgagta 300
catagcaggg gccagtagtc accctttcac aatttcattc ttggagttcc ttaacttctg 360
gacccagaga tcattgaaaa cagtgtaaagc atgatgatgc acatcttgag aaaaatcttc 420
agaggtaaat ccaaacattg ggattttt 448

<210> 1119
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447
 <223> n = A,T,C or G

<400> 1119
 cggccgaggt aaaaaaagct gaggggtgatt agacaagttg acaagttggt ttgaaagagg 60
 taactggcctt agtacaaaaa tccatagttt attgggttgg gctgttgagg agttgtagtg 120
 ctgggtgaaat aaaattttcc aggatgcagt ggtcatcgca atttggccca attcaaaggt 180
 tcaaggtaag ctccctgtatt gttttttttt tggagctttt aatttttttt caagttgcag 240
 gtcattgtagg gagtcctttt tagaatggct tcctccctcc atttttagagc tctgaaccaa 300
 agtgatgtca tttattttat tttattttat tattttttta gatggagtct cactctgtca 360
 cctaggctgg agtgcagtgg tgcagtctcg gctcactgca acctatgtct cccgggtcca 420
 agcgattctc ctgcctcagc ctccctantag ctggggattac aggtgcacac cac 473

<210> 1120
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 1120
 cttgggtggtg aaggttctgg agaagtcaga ccagaccaac atcctgagtg ccctacttgt 60
 tttgctccaa gacagcctgc tagcaacagc cagttctccc aaattctcag agcttggtat 120
 gaagtgtctc tggagaatgg ttcgactggt gctgatacc atcaatagca ttaacctaga 180
 cagaattctt ctggatatcc acattttcat gaaggtcttc cccaaagaga aactgaagca 240
 atgcaaaagt gaatttccca taaggaccct aaagaccctg ctacacacct tatgcaaatt 300
 aaaagggccc aagatcctgg accacctaac gatgatcgac aacaaaaacg agtctgagct 360
 ggaggcccat ctctgccgga tgatgaagca cagtatggac cagactggga gcaagtctga 420
 taaggaaaca gaaaaggag catctogaat agatgaaaaa tcatcaaagg ccaaagtga 480
 tgatttctt 489

<210> 1121
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1121
 catcaatgta gaactcagcc ttcttggaag gaaaaaaaag aggctccggg ttgacaaatg 60
 gtggggtaac agaaaggaac tggctaccgt tcggactatt ttagtcatg tacagaacat 120
 gatcaagggt gttacactgg gcttccgtta caagatgagg tctgtgtatg ctacttccc 180
 catcaacgtt gttatccagg agaatgggtc tctgttgaa atccgaaatt tcttgggtga 240
 aaaatacatc cgcagggttc ggatgagacc aggtgttgct tgttcagtat ctcaagccca 300
 gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt cagcggcttt 360
 gattcagcaa gccacaacag ttaaaaacaa ggatatcagg aaatttttgg gtggtatcta 420
 tgtctctgaa aaaggaaactg ttcagcaggc tgatgaataa gatctaagag ttacctggct 480
 acagaaagaa gatgccagat gacacttaag acctacttgt gatattt 527

<210> 1122
 <211> 474

<212> DNA
<213> Homo sapiens

<400> 1122
aaataagggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
agtaatcaca aataaggtaa agtctaaatt actgccttag caaactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcatt tgaagctggg agaaagagga aaaaaagtgt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatttt catattcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgaagt tgtccctcca gagaccttc tgggaacatg ctttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc attt 474

<210> 1123
<211> 474
<212> DNA
<213> Homo sapiens

<400> 1123
tgcaaggcat gggggtgtct gctgcccagg ccacttacag tggcctggag agccagtcag 60
tgagtggctg ttacggggcc ggctacagtg ggcagaacag catgggtggc tatgactagt 120
tttgtttaga acatttgagt tacttcaatc attttcacag gcagccaaca agcaattaag 180
agcagttata atagaggaag ctgggggacc cattttgcac catgagtttg tgaaaaatct 240
ggattaaaaa attacctctt cagtgttttc tcatgcaaaa ttttcttcta gcatgtgata 300
atgagtaaac taaaactatt ttcagctttt ctcaattaac attttggtag tatacttcag 360
agtgatgta tctaagttta agtagtttaa gtatgttaaa tgtggatctt ttacaccaca 420
tcacagtga cactactggg agacgtgctt ttttgaaaa ctcaaagggtg ctag 474

<210> 1124
<211> 173
<212> DNA
<213> Homo sapiens

<400> 1124
ctgatcgctt ctcagcgctg cgaactggaac ttcccoctcc attactggaa gaaacagtct 60
tagttttcac aggtttttct gcttcttctt caggtoctcc ggcggtcca gctcgctgag 120
acttttcagg cttctcgtct cccgccttcc cgctccgccat tttccactcc ctg 173

<210> 1125
<211> 325
<212> DNA
<213> Homo sapiens

<400> 1125
cgaagccaag agaaaactgag gaaactttcc aaaccagtat atctcagatc tcatgatgaa 60
gtttcctaatt cttagaggaaa gtttatttct gcaaatgatg agccaactag ttattgaatg 120
taaaccagat ggcaaaacac ttcttgatta ggggcaaaaa ttcaaagtgc ttcttaaaac 180
ctccacaatt gattctcccc ctgtgatgta aacttagata tccctagagt ttctcagcat 240
ctttcttcct gagtggatgg cattatccct agaggtcagt gaccttacat cctcactgca 300
gtcacctttg gaaacaagac cgagg 325

<210> 1126
<211> 268
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 266

<223> n = A,T,C or G

<400> 1126

```
cctgagcgac cacctccctg ttcaggccca gcctctggag ttcattccta tcaatgtcat 60
tttgattgtg cagtaagatg aaaatttgtc attacaatag ttacagtgc agagaaatgc 120
acactatgta tcaaatagca aggaaatgaa gcaaattata acacagtgtg gcaacgcacg 180
agcaagtaac cattagagta gcattacttt gtccagtaaa tgcttcagtt ccaccacttg 240
tacacttacc aatgatttac ctcggnccg                                     268
```

<210> 1127

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1127

```
aaatttacag ttctgctcat gcccaatggc cccatgcgga taaccagtgg tcccttcgag 60
cctgacctct acaagtctga gatggagggtc caggatgcag agctaaaggc cctcctccag 120
agttctgcaa gtcgaaaaac ccagaaaaag aaaaaaaga agg                                     163
```

<210> 1128

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361, 437, 479

<223> n = A,T,C or G

<400> 1128

```
ccaaagacaa tgttcctttc catagcttag tctttccttg ctcagcccta ggagctgagg 60
ataactatac cttggtcagc cacctcattg ctacagagta cctgaactat gaggatggga 120
aattctctaa gagccgcggg gtgggagtggt ttggggacat ggccctaggac acgggggatcc 180
ctgctgacat ctggcgcttc tatctgctgt acattcgcc tgagggccag gacagtgcct 240
tctcctggac ggacctgctg ctgaagaata attctgagct gcttaacaac ctgggcaact 300
tcatcaacag agctgggatg tttgtgtcta agttcctttgg gggctatgtg cctgagatgg 360
ngctcacccc tgatgatcag cgctgctgg cccatgtcac cctggagctc cagcactatc 420
accagctact tgagaanggg tcggatccgg gatgccttgc gcagtatcct caccatatnt 480
cg                                     482
```

<210> 1129

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1129

```
agcgatttgc tgggtgtagac atccgtgtcc gtgtaaaggg tgggtggtcac gtggcccaga 60
tttatgctat ccgtcagtc atctccaaag ccctgggtggc ctattaccag aaatatgtgg 120
atgaggcttc caagaaggag atcaaagaca tcctcatcca gtatgaccgg accctgctgg 180
```

```

tagctgaccc tgcgcgctgc gagtccaaaa agtttggagg ccctgggtgcc cgcgctcgct 240
accagaaatc ctaccgataa gcccatcgtg actcaaaaact cacttgtata ataaacagtt 300
tttgagggat ttt 313

```

```

<210> 1130
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 516
<223> n = A,T,C or G

```

```

<400> 1130
ccaaaagaaa ttagcaatgg gaaatggttg ctttattttg tgaaagtaga atccaaagga 60
ttgaaaagg taacttgtga gccacaaaag gagataaact ccctgaacct aacggagtct 120
cacaactcaa gaaagaaacg ggaaattact gaaaaacaga tagatgataa cagaaaaattt 180
tctttatttg ctgaaagaaa ataccagact cttaactgta gcgtgaacgt gaactgtgtg 240
aacatcagat gcccgctgcg ggggctggac agcaaggcgt ctcttatttt gcgctcgagg 300
ttatggaaca gcacatttct agaggaatat tccaaaactga actacttgga cattctcatg 360
cgagccttca ttgatgtgac tgctgctgcc gaaaatatca ggcgtgcaaaa tgcaggcact 420
cagggttcgag tgactgtgtt tccctcaaag actgtagctc agtattcggg agtaccttgg 480
tggatcatcc tagtggctat tctcgctggg atcttnatgc ttgctttatt agtgttttata 540
ctatggaagt gtg 553

```

```

<210> 1131
<211> 158
<212> DNA
<213> Homo sapiens

```

```

<400> 1131
ccgccgcttg tgctgcagcc atgtctctag tgatccctga aaagtccag catattttgc 60
gagtactcaa caccaacatc gatgggcggc ggaaaatagc ctttgccatc actgccatta 120
agggtgtggg ccgaagatat gtcacatgtg tggtgagg 158

```

```

<210> 1132
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 1132
ccagaatggt ctggatctcc tgacctcgtg atctgcccgc ctgggcctcc caaagtgtgtg 60
ggattaccgg tgtgagccac cgcaccacgc ctaaagttgg tttcttgaag cagttgatga 120
gattgggac ctggttttca gaaatgattg gagtgattta tgtaagttgg gaggggtttt 180
ttgatggggt tggttaaggtc ttacgttaaa ggaaaggat acagagataa atattggtac 240
ttgagtcatt agctttcaaa gaagcctggg gtaatggagg aaaggtaaga attgattctg 300
acagaatctt gagatgggca gaattaacat ctggaagagg tcacagtgtc ctgatttacc 360
ttacctgtgt ccaggatgg 379

```

```

<210> 1133
<211> 252
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 205, 248
 <223> n = A,T,C or G

<400> 1133
 ctgaccaggc ttggagaatg agaaagggtt cccaaggaca ggatgccagc gggattcttt 60
 gttgcaaact gcacacagtg caatttttgg gaagcagggg tggggagtgg gcatgagacc 120
 gggttgttgg gaccactctg gggtcaggcc ctgggtgagg cacaggaggc tgcacacagg 180
 cacttggtgg gttctgccgg gtcanngtgg gaaggcagga gtagtggtctg tggcaggacg 240
 ggaagaanct tc 252

<210> 1134
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1134
 ccagcccaaa cagtgtatta atcattagca aatggaactt taaggagtcc ttatcattaa 60
 ggtagtacaa gtatttatat tgtaaaactg atgtgtagct tgatcttttag gggacaggac 120
 caccaaccaa tacatgcaga ttttgtgtgt gtggacagaa ggtacttttg acattcagtt 180
 ttgctatata gaaacagaat gaataaatga acttttttct tttttctttt ttttgcaaga 240
 ggtaagtaaa agattcaatt tgattcttct agagggggga aaaaggagtt gaaagtaggt 300
 cttcattttg cagtcacatc ctgtacgaat tcttcacatg tgacttgtcc gtctccatca 360
 atatctgctt ctctgatcat ttcactctact tcttcacatg ntagtttttc tcctaagttt 420
 gtcacgacgt gacgtagttc tgctgcactg atataaccat tgccatcctt gtcaaagact 480
 cggaatgcct cacggatttc ttcttcacta tctggatctt tcatttttct agc 533

<210> 1135
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 1135
 ctggctaatt cagtcacatg aactctgctc tcacagttaa aacagttcta tgagccaaaa 60
 cctgatctgc tgcctcctct gaaattagaa gcttgtattc t 101

<210> 1136
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 1136
 gtgaggtccc agcttgaaga gaaagaaaac aagaagttcc ctgtgtttta ggccgtgtca 60
 ttcaagagcc aggtggtcgc ggggacaaac tacttcatca aggtgcacgt cggcgacgag 120
 gacttcgtac acctgcgagt gttccaatct ctccctcatg aaaacaagcc cttgacctta 180
 tctaactacc agaccaacaa agccaagcat gatgagctga cctattttctg atcctgactt 240
 tggacaaggc ccttcagcca gaagactgac aaagtcatcc tccgtctacc agagcgtgca 300

cttgtgatcc taaaataagc ttcattctccg ggctgtgccc cttgggggtgg aaggggcagg 360
attctgcag 369

<210> 1137

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1137

ccttctcctg tgccctgggtg aagggtacaga cctcgctgtg tctccgatga ggtcagaagt 60
gtctctatatt cataccacaa aggaacccaa gtgggagtag ggaacagatg gatggcgcgga 120
agacctctgt gtctccccag agaaaggaag aaacttaaga accatcatag cctgggtcctc 180
caacatctta cagatcatgt tttccaagag aaaagcctgt gttttcagaa actctgaatt 240
cagaaaaaga aacggaatgt gcgtaagaat caggccactg cctggaaaga ctttctctca 300
attcgtagcc tgaggctcag tgaaggaaac atgcagaaag aatgcctgag acgccccag 360
ggaataaggg aactctttat aacctccagt gctgtcatct gggatttttc tctgaagtac 420
aagaatttca ggtgatttaa gctgcttgat cacacttatt tgtgcaaaat tgattttcat 480
ttaatgttaa tgttttcctg cttaatttta tataacttc 519

<210> 1138

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1138

aaaagcagtc aagctgtctg gactgcaccc totcaactga agttgagcca aattcccttc 60
tctcaaacc taacgccgcc atcactaaga gaatgggcat ctgggcttgg tcagagcatt 120
actaacaagc taatgtggga ttctctttgg ttatgaattt ttatttttat ttaagcatac 180
aaaaaataca gctagaagta ggctcctgca ttctaaaagc atttttaatc aacttaaact 240
atgttcttgg aaaattcacc acctggactg gttagctctg cccatttccc tgtggaatct 300
agtatcagtg ttgtatttag caaattcatt tgagtgcga acagtgactg atattcagga 360
gccccgagg gtgggggcgg ccggcctggg cagacttaga tgctgtccat agctttgaac 420
tcgctgagg cctgcaccgg gttcacgtgc ttcttctgag atgcccgttt aatcttggtc 480
tgtgtctcat cctgtttctc tctcttcacc a 511

<210> 1139

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422, 518

<223> n = A,T,C or G

<400> 1139

ttttttttaa atattttattc cagttattct aattcagaag cattcttttc aagtaacagc 60
agcacttggtg aaaggaaaaa aaatgcacat gtttcttagt aggttactaa atttgtacaa 120
ttaattaaga ttttagccat cagtgcgttt gaaaaggga atgtatttat tttcagcatt 180
aaaatgcttc caaaagatca agttgctttt gtttgtttgt ttttttaacc gtaatgtaga 240
tgagaaaatt ggaggcaacc tcagtatatg aactgccact ttgaacagtt taggtcttaa 300
agagaaagtc aatctaattgc caaggggaga acaatgagct gaaattgtac caactcctct 360
ggccctcctt cctcaatta aaaaaacaca cttaccagtt ttgcttattt tacagatata 420
tngtggttct atagttttaa gcagcttggtg aaattaaaaa agtggtactca attttgttta 480

<400> 1143

```

aaaaaatggg atcaaaggaa gaggaaaatg ggcaagggtca tctcaaaagg aaacgacctg 60
tcaaagacag gctaggggaac agaccagaaa tgaactataa aggtcgatac gagatcacag 120
cggaagattc tcaagagaaa gtggctgatg aaatttcatt caggttacag gaaccaaaga 180
aagacctgat agcccagta gtgaggatta ttggtaacaa aaaggcaatt gaacttctga 240
tggaaacccg tgaagtgtga caaaatgggtg gtctctttat aatgaatggt agtcgaagaa 300
gaacaccagg tggagttttt ctgaatctct tgaaaaaacac tcttagtata agcgaggaa 360
aaattaagga cattttctac attgaaaacc aaaaggaata tgaaaataaa aaagctgctn 420
ggaagaggag aacacaagng ttggggaaaa agatgaaaca agctnttaaa agtctaaatt 480
tt

```

<210> 1144

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1144

```

ctgctgcaga gcagccagca gggagtccct gcctcactcg gaggtccctg agcccaatcc 60
cacaccctgc agagttctcc cctctctctg atccaggecg ggcctgtaca gaggtgctgg 120
ctgcttggtt acattctcct ctggggctct acctctccac acttccccag aagggaaaag 180
ggcacccctg attactcttt ggaaatcact ccttggtggg cagcatcctg aggtctcccc 240
agaaccagg

```

<210> 1145

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1145

```

cctggaaaac attctccaaa aagaagctgc aacatgtgtg gacaatgggc ttttcatgcc 60
tctcttactg tctcttactg tctattgatc tggtgcaaga aacatgctct ggtgatggct 120
gtgagggagg aatgaggata gacatagaca ctctgtgtgc tcaaacatgc ttctttatta 180
ctctgttatg actctgtctt ccctggggca ggaccccagc ctgcctacat ttgcagacag 240
acacagtggc atgtggagac aacagtgtgt cccaaagact tttctttacc ccctagctgt 300
cggcagtact cagtgggaagg gtgatattat gacactgaca ctgc

```

<210> 1146

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1146

```

cctgtggatt ggcattccaaa tacagagtct taacgagcgg ggacgtgggt gcgcgccccg 60
catgccacgg aaagcttaca taagttaaac ttgaacagag cttgggaaat ggggctgcaa 120
aggagggcag ttcccacgcc aggaaccaac gtgaaagcat tggaatcagc acaacagcca 180
tggaatcagg caggcagggg aggcagggct gtgtccttct gagctctata gtacagcaag 240
atttcaagca gtttccagaa aaacaacaac aacgacattt tctttcctta tcgacgggat 300
attttatggt tctggaagct tcgtgttgca cataggaaaa aaaatttctc tgaaacgtac 360
aattcatagg gac

```

<210> 1147

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1147

```
ctgcaggagc aggatcagaa gcaagcctat gaaaaacaac agaagcatgc agcgactttc 60
ttttatagca ccgcagcatc ccaggaagcc cagaatcatg atgatggcac ctacagcaat 120
caatatgtcc acagcaacgt aggagctaga gcctacatct tcagaaccaa aaattgcttg 180
agagtcattg cttactcgta cccatattgc taatgctagg atcaagatac cacatagcca 240
gaacaagaag ttgaaggtaa acatagaata ttttatacag gcactcacac ctgccatttc 300
ggaaaaggat taggaatcca gatgccgtga atttaactat tcgttacagg cttgtcctgc 360
aatatgctct ggagcaactt gcctgcagag atttctgtat ccacggcttc agagcagaaa 420
gagaaagcaa ag                                     432
```

<210> 1148

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1148

```
ccacactcat ccatcagggtg ctggaggccc ctggtgtcta cgtgtttgga gaactgctgg 60
acatgcccac tggttagagag ctggctgaga gtgactttgc ctctaccttc cggctgctca 120
cagtgtttgc ttatgggaca tacgctgact acttagctga agcccggaa cttcctccac 180
taacagaggc tcagaagaat aagcttcgac acctctcagt tgtcaccttg gctgctaaag 240
taaagtgtat cccatattgca gtgttgctgg aggcctcttc cctgcgtaat gtgcggcag 299
```

<210> 1149

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1149

```
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaattgat gttgaacttg 120
ttgctgaggg caacagcagg ttcaactaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgccctgccct 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gcccagtcctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ctttccattt 420
cttctgcaca tctacttgct taaattgtgg gcaaaagaga aaaagaagga ttgatcagag 480
cattgtgcaa tacagtttca ttaactcctt cccccgctcc cccaaaaatt tgaatttttt 540
ttt                                     543
```

<210> 1150

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1150

```
ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaagaccgac gaggatgact 60
agacagcaaa aaaggaaaag ttaaactaaa aaaaaaaaag gccgccgtga cctattcacc 120
ctccacttcc cgtctcagaa tctaaacgtg gtcaccttcg agtagagagg cccgccgcc 180
caccgtgggc agtgccaccc gcagatgaca cgcgctctcc accaccaac ccaaaccatg 240
agaatttgca acaggggagg aaaaaagaac caaaacttcc aaggccctgc tttttttctt 300
aaaagtactt t                                     311
```

<210> 1151
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 1151
 tttttttttt tttttttttt tttttttttt ttttttccaa gaattgggaa ggttt 55

<210> 1152
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 1152
 ccagtacaac acctatccca tcaagctctt ctatacgctc aacatcccca tcatcctgca 60
 gtctgccttg gtgtccaacc tttatgtcat ctcccaaagt ctctcagctc gcttcagtg 120
 caacttgctg gtcagcctgc tgggcaacct gtcggacacg tcttctgggg gccagcacg 180
 tgcttatcca gttgggtggc tttgctatta cctgtccctt ccagaatctt ttggctccgt 240
 gttagaagac ccggtccatg cagttgtata catagtgttc atgctgggct cctgtgcatt 300
 ctctccaaa acgtggattg aggtctcagg ttctctgccc aaagatgttg caaagcag 358

<210> 1153
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1153
 aaacttgatc caacctottt gcatottaca aagttaaaca gctaaaagaa gtaaaataag 60
 aaggcaatgc ttgtggaatg tacagtgcac attggcgagg cagcctcat tacgattcgc 120
 ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgctct 180
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatctcg ggtttgctcag 240
 acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
 cagtggcca 309

<210> 1154
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1154
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggt ggacagtttc atgaagctgt 120
 cagttagttc attaaagttt tggaaattct cagacagtgc agtggatatc gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttc gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggtcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcctgagc ag 332

<210> 1155
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 1155
 aaaaaaaaaa cgccaaaaaa ctggacttag tttcatctat tgtaacattt acctgagatg 60

<212> DNA
<213> Homo sapiens

<400> 1163
aaatacatcg tgacctgtgt aattatgcag aagaatggag ctggattaca cacagcaagt 60
tcttgcttct gggacagctc tactga 86

<210> 1164
<211> 132
<212> DNA
<213> Homo sapiens

<400> 1164
aaagaggatt ctcataagga aagcaatgac tgttcttgcg ggggataaaa aagggcttgg 60
gagattcatg cgatgtgtcc aatcggagac aaaagcagtt tctctccaac tccctctggg 120
aaggtgacct gg 132

<210> 1165
<211> 434
<212> DNA
<213> Homo sapiens

<400> 1165
ccgggcaggt ctgtatcacc acagttaata gatgtctgat gtgtcccagt cacagagata 60
atacaaatgt gaggaataa tgctggtgcc tgaaagcatt ggagaccatt tgtaagaatg 120
ccatttggtg gttaaaagtga acatgaaaat tgttttagttt ttcttggttt cataaacatt 180
ttttcttctt gtagaactga taaatttcaa acggaagaga gtggcagcat ttagaaagaa 240
tctaattgaa atgtctgaac tggaaataaa acatgccagg aacaatgtct cccttttgca 300
gagctgtatt gacttggtca agaataactg atatgccttc actcagaaga aaagaaatga 360
atgtgaaaga aagccaagca tcacttgcac ttaaatcatt accacggaag atatattagc 420
ttcaacttta gttt 434

<210> 1166
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1166
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggccca gaagtgaagc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttggtgtcc agaccattgg ctaggacctg 180
gctgtatttt ccattcttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtg tggcaaaggc tattttcc 398

<210> 1167
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508

<223> n = A,T,C or G

<400> 1167

```

aaacactgct ggtgctttat gaaaggattt ctgtttacct gttgcacacg taacatgttc 60
ttacgaagtt ttctcgctgt gtagaaaatg cttaaaatgt ctacatcatt ttcattacac 120
ccccttaagc atgtttttcc ttcacaaggt gcagtcattt gacagtgttc cgtattgcac 180
gtgcaattta actttattag cactatttgt agcaaacacg agcctagtga attacagatc 240
tgtgtgggcc agagggattt tgccacgtaa taatgaagct tgacagggtc attctcataa 300
actgtctggc tacatatata tttttgcatt taatgcctat tcaatatatt ctgaagggtgc 360
tactcttggg gttatcaaga gttcataggg gttaggggga agtaagagct tgtaaatgta 420
tttgggaagc acacctatgt tcacagacac aaaatggaat tgcattgtca ccccttagt 480
cttggtttgt tggctttttg tattgaanaa aggggttaaata aaaaacaaaa ataa 534

```

<210> 1168

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1168

```

ctgcaataat ccagaatggc tactctgac tatgttgata aggaaaatgg agaaccaggc 60
accctgtgtg ttgctaagga tgggctgaag ctggggtctg gaccttcaat caaagcotta 120
gatgggagat ctcaagtttc aacaccacgt tttggcaaaa cgttcgatgc cccaccagcc 180
ttacctaaag ctactagaaa ggctttggga actgtcaaca gagctacaga aaagtctgta 240
aagaccaagg gaccctcaa acaaaaacag ccaagctttt ctgcaaaaaa gatgactgag 300
aagactgtta aagcaaaaag ctctgttctt gcctcagatg atgcctatcc agaaatagaa 360
aaattctttc ccttcaatcc tctagacttt gagagttttg acctgcctga agagcaccag 420
attgcgaccc tccccttgag tggagtgcct ctcatgatcc ttgacgagga gagagagctt 480
gaaaagctgt ttcag 495

```

<210> 1169

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1169

```

ccagaactcc tcaactgggca ttatttggtg ccagtgaag aggcctttgat cccaaggaca 60
caagacatca gagaaagaac aaatcaaagg ctatttcttg atgttgagat tatctgattt 120
caaggtactg aaggacaaaa acttggtatg cctcaaaaagg ttcttgaaca ccaactgtgat 180
tctccaagga cgaattacgt aaattatact ttcatacaaa ggagacgata aggcagtaaa 240
catggagaca cgggggacag cgtccacact cagagggcct gggccacagc cccgatgttt 300
cttttcagaa ctacgcccct ttcttgattt tacttctaag aggaaaatta ttttggggag 360
gaactacaca gtcgtgatta gaatttatct gatggttttg tattataact tgtaagacct 420
gccagaatgc tagtcccag agtgtcagac aaggaagaag tccctgggcc tcttc 475

```

<210> 1170

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1170

```

ccaggtttct gcccacattg gaccacatg aggacatgat ggagcgcacc tgccccctgg 60
tggaagtcc tgggagaacc tcaggcttcc ttggcatcac agggcagagc cgggaagcga 120
tgaatttgga gactctgttg ggcttggtt cccttggttg tgtgtgttga tcccaagaca 180
atgaaagttt gcactgtatg ctggacggca ttctgtgta tcaataaacc tgtttgtttt 240

```

<210> 1171
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 1171
 ccaacatggt gaaaccccggt ctctactaag aatacaaaaa attagctggg tgtggtggt 59

<210> 1172
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1172
 ccaagtaagc tgtgggacag caagcccttc ggacacctgt tggctacaca gacccctccc 60
 ctctgtgtcag ctccaggcagc tcgaggcccc cgaccaaacac ttgcaggggt cctgtctagt 120
 tagcgcccca ccgcccgtgga gtctgtaccg ctcccttaga acttctacag aagccaagct 180
 ccctggagcc ctgtttggcag ctctagcttt gcagtcgtgt aattggccca agtcattgtt 240
 tttctcgcct cactttccac caagtgtcta gagtcattgt agcctcgtgt catctccggg 300
 gtgg 304

<210> 1173
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1173
 ctgtgacggc ttggagaaaac agtgtaaact ggacagtgtaa acaaaagcag ggcattgtatg 60
 agtagttgag aatgggtgaat aggagtatga ctacacagaa gatagtaggg atgacaagtt 120
 atttgggggc acagtctaag tttgtctggt gtctggaatg aggctggggc ctaataaaaa 180
 ggaacgtcta tacaggagct caaatgggct gtaccttgta gcattctgag gacagg 236

<210> 1174
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1174
 caggtccaca tatgcccctg tcatctctgc tgagaaagcc taccacgaac agcttactgt 60
 agcagagatc accaatgctt gctttgagcc agccaaccag atgggtgaaat gtgaccctcg 120
 ccatggtaaa tacatggctt gctgcctgtt ataccgtggg gacgtgggtc ccaaagatgt 180
 caatgctgcc attgccacca tcaaaaacaa gcgtaccatc cagtttgtgg attggtgccc 240
 cactggcttc aaggttggca tcaactacca gcctcccact gtggtgcttg gtggagacct 300
 gg 302

<210> 1175
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 1175
 cgcaaaacta accccctaataaaaattt aaccactcat tcatcgacct cccaccccca 60

tccaacatct ccgcatgatg aaacttcggc tcactccttg gcgcctgcct gatacctcaa 120
atcaccacag gactattcct agccatgcac tact 154

<210> 1176
<211> 435
<212> DNA
<213> Homo sapiens

<400> 1176
aaaagcaaca tgtttttata agaaaattgt tataaatgaa aaacgtgact tcttgaagac 60
agttttgaat gtctaaaaat gttgttatca ctactgagag gaaacttgcc tatgaaaaat 120
attataatga gtttgtggaa aaaagttaac aggttaaata ttttaagcca ttttaactata 180
gcataatatt agtcatctga gcactttcag tatcactcct attttattaa atttatccaa 240
tttattaata gaaactaggc cctgattggc agttctgtta ttactaatgg ttcaagtttt 300
ctattttacac agatttttaag atttaatttc tcgaacaaca gtctcttgat taggagtttc 360
gtcttcttca aagggttgggt tgtcaacatg aggaataaca tccactgcca cagaatttgc 420
ttcatggttt accag 435

<210> 1177
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1177
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgcggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaagggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccac 267

<210> 1178
<211> 236
<212> DNA
<213> Homo sapiens

<400> 1178
aaaagtagta ttaataaagg cttcaaaaact ccaaagtaat tttctggtaa gaatttcaag 60
tactatatca gaaagtataa aactgtttca aacagaaaaa aaaaatcctt aagcccccca 120
aaaatggaaa ctatgaaaat ctgtgtcccc aaaatatatg caatagtgcg agactttccc 180
tcaaacatgg aagacctcat tcaaaggggg aaaaaggagc agattttact catatt 236

<210> 1179
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1179
cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggttaag agcgggtgac acggtaccca gccttgctct cattcccagg 180
acaggaacag gagagtagtg cacctcccag gatgactagg gcagacctg ccagagccaa 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg 316

```
<220>
<221> misc_feature
<222> 339
<223> n = A,T,C or G
```

```
<210> 1181
<211> 604
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 550, 563
<223> n = A,T,C or G
```

```
<210> 1182
<211> 601
<212> DNA
<213> Homo sapiens
```

<400> 1182

cctgctgggc	ttggcaacga	gggactcggc	ctcggaggcg	accagacca	cacagacact	60
gggtcaagga	gtaagcagag	gataaacaac	tggaaggaga	gcaagcaca	agtcatcatg	120
gcttcagcgt	ctgctcgtgg	aaaccaagat	aaagatgcc	attttccacc	accaagcaag	180
cagagcctgt	tgttttgtcc	aaaatcaaaa	ctgcacatcc	acagaacaga	gatctcaaag	240
attatgcgag	aatgtcagga	agaaagtttc	tggaagagag	ctctgccttt	ttctcttgta	300
agcatgcttg	tcaccaggg	actagtctac	caaggttatt	tggcagctaa	ttctagattt	360

```

ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480
tttgggccac agcataacag gcaactgcctc cttacctgtg aggaatgcaa aataaagcat 540
ggattaagtg agaagggaga ctctcagcct tcagcttcct aaattctgtg tctgtgactt 600
t                                                                 601

```

```

<210> 1183
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 328, 385
<223> n = A,T,C or G

```

```

<400> 1183
ccagatttct ggcacttgta gcaagctcct gtgggaggag gttctggagg aacgcctggc 60
tgctgcggtt caggtgtttg gaagtcttg tttgctggag atgtggctgg ggtttgtctc 120
acagtggagg caaggaattg caactttttt tttttattat tgtacacctt gaaggcgagg 180
ttaattaaat cctgtttgtg agtttgaggg ccggaattta atttttggag ttttatttaa 240
tatcgggagc agattgggta ataaaatgta tattgagaat aagacggcct tttgaccttt 300
tagggtctag ggctgtaaaag tgtctcangg ttgctgccga acgagccatg aactgggctg 360
ggttttttata tttgatgaaa aagancctaa acgcttctga tttgggataa agaaaaagga 420
gcattaacct tgactatgtc ttttagc                                                                 446

```

```

<210> 1184
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G

```

```

<400> 1184
aaaaatcagg caagttgtct gtaacatttt tcaataatct gggaagcact gcaatccagt 60
gtacgatgtg ctgattagtg ttgtctttgt tggcaactgac ccaccaaggg aatgacatgt 120
acgatgaaga aaaagtgaag tacactgtgt tcaaagtatt gaagaactcc tcgcttgctg 180
agttttgttc gagcctctct cagaccatgg gatitccaca agatcaaatt cgattgtggc 240
ccatgcaagc aaggagtaat ggaacaaaac gaccagcaat gttagataat gaagccgacg 300
gcaataaaaac aatgattgag ctcaagtata atgaaaaccc ttggacaata ttcttggaag 360
cagttgatcc cgagctggct gctngtggag cgaccttacc ccagtttgat aaagatcatg 420
atg                                                                 423

```

```

<210> 1185
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 209, 216, 228, 242, 260, 287, 305, 353, 355, 382

```

<223> n = A,T,C or G

<400> 1185

```
aaactccaaa tgctgcagat gaaagtaa atacaacaaatg caagtaaata caacaaaata 60
acaataaaaat cacttggtgt ctgacttgct ggattctggt taagcacaga tgggatgttc 120
ctgatattca ctaagaagag tctaactaat ggctactgtg tgtgtgtcag tagcccaggg 180
tttttttttt tttttttttt ttaagggana acctancatt ttatttanat cttcattaaa 240
cngttggaat tgagaaccan acatacgtaa taaacctcca aaaatanatc ctgaaaggca 300
ctttntgctt agggcaagca gtcattggaat aagcatgtaa acaagctggc ttntntgtac 360
cacaccagcc aagtcagctt tntccatgg 389
```

<210> 1186

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1186

```
ccaccatctc gcgctccttg cgctcgggga agccgtagtc tggcggggaag gttggctggt 60
tttacatcta aagcaataga ctagaactga attatcttct acatagtaaa atcacaattg 120
tggaattaca ggaattctgg tgatattaag gtgaaataac aaaacacaaa aggccctatt 180
ttaacagttg atgtgacagt aagttttaat agaacctgta acttcatttt ggaaatgctt 240
ctccaccaa taagggcctt ttcccctatt taaggagcca gatggattga aagatgtgga 300
aataggcag 309
```

<210> 1187

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1187

```
atcacatctc cccaaaatca tctaagagac atatttacac aagttctgac catgctaaaa 60
aattcatgaa tgtgatgggt tataaagcat ttggtacatg atgatacttg ctttccagaa 120
gctggcattt gcatattata aaacgttaag aagaaggctg acctcggaat gtaacagaca 180
atagttttat gtttcttctc aatatacagt gacctggaag gactccctgt tggtaaaacc 240
tgcttcccca ctgctcagcc tgccatcagc catccag 277
```

<210> 1188

<211> 67

<212> DNA

<213> Homo sapiens

<400> 1188

```
caggctgcc accccccagt ccagccctct ccottccact ggtgccttgc ttagagccag 60
aagggat 67
```

<210> 1189

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1189

```
aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggt 60
gggcttgtag tacagctaca gttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
```

```

gagtaggggtg catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgc 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttccctgacct tgtacatgaa 300
cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
ctcctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
cag 423

```

<210> 1190

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 35, 126, 186, 229, 269

<223> n = A,T,C or G

<400> 1190

```

nccagctcga tgaaactccg tctctactaa aaatntaaaa attagcagag cacagtggca 60
cctgcctgta atcccagcta ctcaggaggg tgaagcatga gaactgcttg aacctgggag 120
gcggangttg cagtgaagccg agattgtgcc actgccctcc agcttggaaca atagagcaag 180
atttcntctc aaaaaaaaaa agaaaaaagaa aaccattatt ttgcaatanc caatgtttata 240
atctacacag gcacagacta tcaatgctna aaatcatTT 279

```

<210> 1191

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 561, 571

<223> n = A,T,C or G

<400> 1191

```

cctacttctg cttcctcagg acaacttccc cacctctgtc ctgggaccac ctgcccgcct 60
gggcctgcag tgactaagga cgctgctccc actccagggg ccagtgcagag agagcagcta 120
tacagagggc ccaccccgca ggatccttga caggagctga gacagaacaa actgctgctt 180
gtctccctac cctgggggct gtgatattct tggtaacatc tctgagctgg tctgtgaggt 240
cacttcctct ttttaacactg ttgaggagac tccaaaccct gtcttttccct cgtcttctca 300
tgtcgattgg gcaccagcca ttctcaggca ccagagcaca gccccacacg ggtgccccat 360
cagacagggc tgcccacagc agcctcctac acctgaactg ggtttctctg cacactcaca 420
gccgtctcac cagctcaatg agctgctgga tgtttttggt ttggttcgac aagccgttcc 480
tgatgttttc gagtaggcat ctcttcaatt caaatatggc ttcactgtag gccaagctca 540
ctgcggccat gggagggtgct ncgTgccaca ngacctcggc 580

```

<210> 1192

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1192

```

ccacactctt caagatcctg gcgtccttct acatcagcct agtcatcttc taaggcctca 60
tctgcatgta tacactgtgg tggatgctac ggcgtccct caagaagtac tcgtttgagt 120
cgatccgtga ggagagcagc tacagcgaca tccccgacgt caagaacgac ttgccttca 180

```

tgctgcacct cattgaccaa tacgaccgc tctactccaa gcgcttcgcc gtcttcctgt 240
 cggaggtgag tgaaaacaag ctgcggcag 269

<210> 1193

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1193

ccttcctccc ttccagcact ggggctcaac agtggactga gtgtttggta gtgtacattt 60
 ccaatcctaa tagagcaaag ccagacttct gctttgatga ctgagctaca gggacaggag 120
 tgggtccaagg ttctcaaatt ctgtttttgt tttttccag acttctatac tattgtctgc 180
 cctaggtctgt agggaatgct ggtagtttg ctgaacagac actgtgttca gcagggtttg 240
 tggatatctca aatcccagggt ctgagccaaa gctttgcagt tcacctgac tccagggaac 300
 agggcctcct ttcgaggtga ggcacttggg ttcttgccct tgcttcttcc cagtgagaac 360
 tgtttcctcc tacttctaca agcattgcac tgccag 396

<210> 1194

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1194

ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
 tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagtccag agccatagaa 120
 atatcctaga ggagaacctt cggcgctctg acaaggagtt agaaaaacta gatgacattg 180
 ttcagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240
 tacagggatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
 ttttacctgc aataccccct taccccaata ccaagaccaa a 341

<210> 1195

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1195

ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
 catacttccc ccattattcc tagaaccagg cgacctgoga ctcttgaag ttgacaatcg 120
 agtagtactc ccgattgaag ccccatctcg tataataatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccgac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggg caatgctctg aaatctgtgg 300
 agcaaaccac agtttcatgc ccacgtcctc agaattaatt cccctaaaaa tctttgaaat 360
 agggcccgtg tttaccctat aacaccccct ctaccccctc tagagccaaa aaaaaaaaaa 420
 aaa 423

<210> 1196

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1196

catgaatgtc ctggcagatg ctctcaagag tatcaacaat gccgaaaaga gaggcaaacg 60
 ccaggtgctt attaggccgt gctccaaagt catcgctcgg tttctcactg tgatgatgaa 120
 gcatggttac attggcgaat ttgaaatcat tgatgaccac agagctggga aaattgttgt 180

gaacctcaca ggcaggctaa acaagtgtgg ggtgatcagc cccagatttg acgtgcaact 240
 caaagacctg gaaaaatggc agaataatct gcttccatcc cgccagtttg gtttcattgt 300
 actgacaacc tcag 314

<210> 1197

<211> 71

<212> DNA

<213> Homo sapiens

<400> 1197

aacgagttta tcctgcagcc catccacaac ctgctcatgg gtgacaccaa ggagcagcgc 60
 atcctgaacc a 71

<210> 1198

<211> 408

<212> DNA

<213> Homo sapiens

<400> 1198

cctcactttt tggagccacc ttagctgggtg cctaggcaga ggggcagtca gcagtggtta 60
 tcaggatcct ggctctatgg gttgccttcc tcctgggtctg taaagcccct gcaggcaggg 120
 acttcttaga tagctgcttc cttagggcat ggcatgtagt gggtaggttaa tgaatggaag 180
 agaggggaatg agtgatcaag ggagggagga gggagtggag tggagatttc tcatcctttc 240
 ctgttaattt atgacatcct cctgcctatg agtccttgac tctggagttt taaaaagcag 300
 tcacatttca aataaaaagtc tgggaaagca acacatcatc gccaaactttt aattttgcta 360
 aataaggata ttagaaaaag aatagaaaat tgcagtcctt tactgttt 408

<210> 1199

<211> 514

<212> DNA

<213> Homo sapiens

<400> 1199

gtagtttctt catttcagga agactgacag ttgttttget tcttctttaa agcatttgca 60
 acagctacag tctaaaattg cttctttacc aaggatatct acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa taaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttaactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggaggtg gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360
 cttgaatata agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
 taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
 gggactaaat gaactaatga ggataatatt ttca 514

<210> 1200

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1200

aaatgagatt cgttattgtt gcttttatgt gaatccttag tacatggcct gctgcaaaca 60
 cccaggacac cgaggaaatg gtcgttgctg tttgatatttc ctcattcccca gtctcaaggg 120
 gaagccaggc caatgagaag agccacttgc catcaggctg tcccttttagg agtcaactgaa 180
 agggccccag ggtgggatgg tggggagata agaaccacga gagaagttgg cacaaaggag 240
 ttatg 245

<210> 1201
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1201
 ctgaaaacag tgggaggcca gatgctggcg tcttcaggc gggaaacgtag ccatgatcac 60
 tctagggccg atgtctcctg gggctctccg gcaggacaag acaggtgcac cggtagctgtg 120
 caatcccagt ttacttaga gccacctctt gtttgggggg gcattagtcc tcatttcattg 180
 ccagattttc 190

<210> 1202
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 1202
 ctgtttcaaa gttgggggtct gttcttgaat cctctattaa ttactgtgtg tgagccagag 60
 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact cccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aaggttcttc ttattttgtg ggctggttgc tgtagaaaca cataacaaag ggcagccctc 300
 cacttctggt ataatttgtt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtggttc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcatatgta cttgtttgct atgactacat 480
 tttgaggttt tgtaaaactg ttattttttt tttttcacia tgtgaaactg aaggtcaata 540
 aattattaga ga 552

<210> 1203
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1203
 aaaaagtaca tctctctccc tctctcccca catgcacaag gctcacatct cattatgggtg 60
 cggcccatgt acattaaagt gtgatacttg gttttgaaaa cattcaaaca gtctctgtgg 120
 aaatctgaga gaaattggcg gagagctgcc gtggtgcatt cctcctgtag tgcttcaagc 180
 taatgcttca tctctctctaa taacttttga tagacagggg ctagtgcac agacctctgg 240
 gaagccctgg aaaacgctga tgcttgtttg aagatctcaa gcgcagagtc tgcaagttca 300
 tccccctctt cctgaggtct gttggctgga ggctgcagaa cattggtgat gacatggacc 360
 acgccatttg tgg 373

<210> 1204
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1204
 ctgttgctgg aagacatggc ggttggtgaa atgacccaag caaagcgggt ctgctttctg 60
 gctggtagtt ctgagtgtct cgttgctgcc aggctgttga gaggggttcag caccaggggt 120
 cttgtgctgc ttattgccag gtgcactcag agagacattc tgaagggaac cctgcaagtt 180
 gcctgttgtt gttcttccca ggggaggact gagcatataa ccaactgcttc ccaaggagg 240
 cttttccac aaagggggca cagcagctc ctgtccattt tttactggtg gaccaccat 300


```

ggetgttgcc tctcaggtg gactgatgcc tgataaccca ttggcactga gtttccccag 360
tgatgctgcc tgcagcagtg catccatctt cttcctagtt tcctcttttg tgagagccag 420
ctctctcttc aggagctcgg cgccatgcc atgctgccat tctgtaaagc agtgtcggg 479

```

<210> 1205

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1205

```

ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgtatg 60
agtagttgag aacgggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
gcctaattggg tgtcagggtc agtctaagtg aaggcaaaga gaggctggga tgaagggtgc 240
aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
ggtattgagg ataggagagt atatgggttt ggcaccacgg ggtggatagg caaaacaatt 360
tggttgataa ggcgcagatc ctgaactaac ttgtaaggct tgtctcgttt taggacagga 420
aaaatggggg aattgtaagg agagtttata gggttt 456

```

<210> 1206

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1206

```

aaatacattt tcaaaattat ctattactag gtccactggt ctccacataa tgaaactatt 60
ctggcttcaa gtggtactga ccgccgcctg aatgtgtggg atttaagtaa aattggggaa 120
gaacaatcag cagaagatgc agaagatggg cctccagaac tcctgtttat tcatggagga 180
cacactgcta agatttcaga ttttagctgg aacccaatg agccttgggt catttgctca 240
gtgtctgagg ataacatcat gcagatatgg caaatggctg aaaatattta caatgatgaa 300
gagtcagatg tcacgacatc cgaactggag ggacaaggat cttaaaccga aagtacgaga 360
aatgtttctg ttgaatgtaa tgctacatga atgcttgatt tatcaagcgc caaaaaggca 420
ttgtatagta ggaaatgtaa gtgggggtgc ttatggcttc tttatcctct gattctagca 480
ctttcaagtg agctggttgc gtactgtatc atattgtagc 520

```

<210> 1207

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1207

```

aaagaaggta aaattggaaa aaaaaaaaaa aaagaatttt tttttgtttt aattaaaacc 60
tctccttaca aaataaataa ttttagcaag tggaatgtct tgaagggttaa ctgctggtgt 120
tctgagaggc acaggtgaca gagcgagcag gcatctgcct tccacatggg gccaggcag 180
gcaaccgggg gcagtgtgct cgggcactta ttggctgctg aaacattccc agaacagatt 240
tcatctcctt tgcttgctt ttacctctt cttaagactg cagtgaacaa gcaaaggcag 300
gaggaaatgc actaaaagag tgcaaatgtt tcccagcagc accgttttaa ggctcaagg 360
gtttttctct tcttt 375

```

<210> 1208

<211> 454

<212> DNA

<213> Homo sapiens

```

<400> 1208
cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
tggggcggca aaaatttttg ggggtggtat ggagagagaa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcgtggg aacctagagt gggagagatt aagctgaatg 180
gaagatcttg tggttaaggg tgatattgtg gggttgttag aagaaacatt tgtcgtatag 240
aatgattggg gatggcctgg atacggtttt gtatgaattg aaaaatggaa taagagaagg 300
agagaaacag gtataaaagg tctaagaatt gggaggacct aggacatctg attagagtgc 360
ctaaggagat tcggcatagt cctgccagca aagattattt atttacttca agagttttaga 420
gtggcagttt ggggatagca ccaggagata tcag 454

```

<210> 1209

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 43, 178, 209, 264, 282, 286

<223> n = A,T,C or G

```

<400> 1209
aagctttttt tttttttttt tttttttttt tttttggata agngctttat ttttatattc 60
tctatgaaaa catcaataat taagcccctt tgttctaagc cagaaacact gtaaaactac 120
cattaaacaa ggcagtatgc cttacaagaa agacataaaa tgtccaaggg atatttanaa 180
catttttagtt cttaaagttt caacatgana aatgttgacc acacactggg aaatcatttc 240
aataaataac aactgacatt catntaaaca gttacaaaac anatgngcac atacattccc 300
ctgccttcac aatgatctca ttgg 324

```

<210> 1210

<211> 535

<212> DNA

<213> Homo sapiens

```

<400> 1210
ggaagaaatc gatgttggtt ctgtggaaaa gaggcaggct cctggcaaaa ggtcagagtc 60
tggtacacct tctgctggag gccacagcaa acctcctcac agcccaactg tcctcaagag 120
gtgccacgtc tccacacatc agcacaacta cgcagcgctt cctccactc ggaaggacta 180
tcctgctgcc aagaggggtc agttggacag tgtcagagtc ctgagacaga tcagcaacaa 240
ccgaaaatgc accagcccca ggtcctcgga caccgaggag aatgtcaaga ggcgaacaca 300
caacgtcttg gagcgccaga ggaggaacga gctaaaacgg agcttttttg ccctgctgta 360
ccagatcccg gagttggaaa acaatgaaaa ggcccccaag gtagttatcc ttaaaaaagc 420
cacagcatac atcctgtccg tccaagcaga ggagcaaaaag ctcatctctg aagaggactt 480
gttgcggaag cgacgagaac agttgaaaca caaacttgaa cagctacgga actct 535

```

<210> 1211

<211> 395

<212> DNA

<213> Homo sapiens

```

<400> 1211
gcgatccgag ccgggacggg ctgcaggcgg ggggtgctgca gaggacacga ggcggcgggc 60
tgagacatg gaccgcggcg agcaaggctt gctgagaaca gaccagatcc ctgaggaagg 120
agaagatgtt gctgccacga tcagtgccac agagaccctc tcggaagagg agcaggaaga 180
gctaagaaga gaacttgcaa aggtagaaga agaaatccag actctgtctc aagtgttagc 240

```

```
<210> 1212
<211> 463
<212> DNA
<213> Homo sapiens
```

```
<400> 1212
tttttttttt tttttttttt tttttttttt taaggggngc actttttattc aactgggtctc 60
aagtcagtggt acaggtaagc cctggctgcc tccaccact cccagggaga ccaaagcct 120
tcatacatnt caagttgggg gacaaaaaag ggggaagggg gggcacnnaa ggctcatcat 180
tcaaaataaa acaaaataaa aaagtnttaa ggcgaaanatt aaaaaaattt tgcattacat 240
aatttacacn aaagcaatgc tntcacctcc cctgtgtgga ctgggganag gactgggcc 300
ttntccttaa aaanaagtg gngggctttt angatggcaa gggacttcct gtaacaatgc 360
atntnatatt tggaatgact nttaaaaaaa caacaatgtg caatcaaagt cctcggccac 420
attngaaact ttgggggatg ctngctccaa ccgactggtg tca 463
```

```
<400> 1213
cctaggggggc atatcaagggt tttaatagac tgggggaatg ggcaacagaa ctggctacct 60
tagaggctct ggaatgcccc ccacccatcc acccaccaat ggaaggaaaag tcaggcatcg 120
cctaaaagga gtggtcccta tctagcccca agtctggagc agaaagggca ggtccattct 180
ggcccaagtg acattgttag atcctgtccc ctcccccaat cactgctgct tgccaggggtg 240
cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag 300
attgcagtac agatacatgg acacaatcat ggcagccagc tcaggccccc caattccaq 359
```

```
<210> 1214
<211> 595
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 574, 578, 582, 588  
<223> n = A,T,C or G
```

<400>	1214						
tgcatatcag	ttgagcttca	tataccagca	atatatctga	agagctatta	tataaaaacc	60	
ccaaactggt	gattattagc	caggtaatgt	gaataaattc	tataggaaca	tatgaaaata	120	
caacttaaat	aataaacagt	ggaatataag	gaaagcaata	aatgaatggg	ctgagctgcc	180	
tgtaacttga	gagtagatgg	tttgagcctg	agcagagaca	tgactcagcc	ttgtccatga	240	
agcgaagqcc	atggaccacg	caggaagggc	ctacagccca	tttctccata	cgcactgqta	300	

tgtgtggtg	atgctgccag	ggcgccatcg	ccaagtaaga	aagtgaagca	aatcagaaac	360
ttgtgaagtg	gaaatgttct	aaaggtggtg	aggcaataaa	aatcatagta	ctctttgtag	420
caaaattctt	aagtatgtta	ttttctgttg	aagtttacia	tcaaaggaaa	atagtaatgt	480
tttatactgt	ttactgaaag	aaaaagacct	atgagcacat	aggactctag	acggcatcca	540
gccggaggcc	agaactgaac	actcagcccc	ggangcangc	tncagganct	cggcc	595

```
<400> 1215
agtcagtgcc ctgtatgctc tccagggtgca ctgctataac agcaacttcc caaaaggcat 60
gttacttcgc ttttttgtgc acttctatga catggaaatt attgaagaag aagctttctt 120
ggcttggaaa gaagatataa cccaagagtt tccgggaaaa ggcaaggctt tgttccaggt 180
gaatcagtggt ctaacctggt tagaaactgc tgaagaagaa gaatcagagg aagaagctga 240
ctaaagaacc agccaaagcc ttaaattgtg caaacatac tgttgctatg atgtaactgc 300
atttgacctc accactgcga aaattcattc cgctgtaatg ttttcacaat attt 354
```

```
<400> 1216
aaagtaaaaa tttccagatg cctcaaaagc agtgagttca atttgggtgtc ttgtgtttctg 60
gcaaagaaca gttaagttta cagcactgca gtcacagttt tcaaatgctg tgaccaatta 120
tttgagagtt ataatctgca ggctccatth tcaaaatatg tgggataaca ctgtcaattc 180
gtatattgcc aatgagacct ttgaaaaaca attcttcagt gatggtagca ttcatacgtc 240
ttaaagctgg caatctgagt agtagtctgg ataacctgta ggtgtcatct ggatatgttt 300
tggttatata atcttggaat tccacataag ccttttctctg aaatttctct atctgttoca 360
tgttttctag gcttggaatga tctggacaga agagtactat tgccttcagg taggcatatt 420
cgatccatc aatgcagagt ttaaccatgc tgttacaaaa ctctgtagt ttgaagatgt 480
gctccatcaa taattttctt ctttc 505
```

```
<400> 1217
ctgatatctc ctgggtgctat ccccaaaactg ccactctaaa ctcttgaagt aaataaataa 60
tcttttgctgg caggactatg ctgaatctcc ttaggcactc tctaatacaga tgtcctaggt 120
cctcccaatt cttagacctt ttataacctgt ttttctcctt ctcttattcc atttagtttc 180
tcaattcadc caaaacgcgt tccaggccat caccaatcat tctatacaac aaatgtttct 240
tcttacatcc ccacaatadc accctttacc acaagacctc ccttcagctt aatctctccc 300
actctagggt cccacgcgcg ccctaatect gcttgaagca gcctaagaa acattgccca 360
ttctctctcc ataccacccc cacaaaaaatt ttgcgcgcgc caacacttca aactattttt 420
gttttgcttt attaataataa gaaggcagga atgtcagg 458
```

<400> 1218
 ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacgaaag 60
 gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
 atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
 ccaacgagag catctgtctc agagctccac tcaggggtcac ccctctccag aggccggtat 240
 ggggtggctt cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
 aaattcaccc aagaagaggt ttcagcattg tgtaggttgg agtaaaactg cagagcagtt 360
 ccaggggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggag 420
 atgatggagt tgcagagaga cctgggtgcc aatcgaagga tacaggcaga caccaagacc 480
 aggaagacgg ctatagctga gatgg 505

<210> 1219
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1219
 ccaactgacaa aaatgacccc catttgtgtg acttcattga gacacattac ctgaatgagc 60
 aggtgaaagc catcaaagaa ttgggtgacc acgtgaccaa cttgcgcaag atgggagcgc 120
 ccgaatctgg cttggcgga tatctctttg acaagcacac cctgggagac agtgataatg 180
 aaagctaagc ctcgggctaa tttcccccata gccgtggggg gacttccttg gtcaccaagg 240
 tagtgcatgc atgttggggg ttcctttacc tttctataa gttgtaccaa aacatccact 300
 taagttcttt gatttgtacc attccttcaa ataaagaaat ttggtaccca aaaaaaaaaa 360
 aaa 363

<210> 1220
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1220
 aaactaacat gccccaaaca gatgagacct cccaacttga aaggatccct gcaccacaat 60
 gcaatgttta agtacctgtg acaggcttct atgtcaaaca aacaggatgc tctgggttctt 120
 gtccattttc ctagcttatt acgataaaga atttctgatg attcccatgt ttgacggctg 180
 tccgaactgt ccttagtagg gcaggaagtt tctgaagtga catctttgg 229

<210> 1221
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 1221
 ctgatatctc ctggtgctat cccaaaactg ccactcttaa ctcttgaagt aaacaaataa 60
 tctttgctgg caggactatg ctaaactctc ttaggcactc cctaatacaga catcctgagt 120
 catcccaatt cttagacctt ttatacctgt ttttctcctt ctgttattcc acttagtttc 180
 tcaattcacc caaaaccgta tccaggccat caccaatcat tctatacgac aaatgtttct 240
 tctaacatcc ccacaatatc accccttacc acaagacctc ccttcagctt aatctctccc 300
 actctaggtt cccacgccgc ccctaatccc gcttgaagca gcgctgagaa acatcgccca 360
 ttctctctcc ataccacccc caaaaatttt cgccgcccc acaacttcaac actattttgt 420
 tttatTTTTT ttattaatat aagaaggcag gaatgtcagg 460

<210> 1222
 <211> 315

<212> DNA
 <213> Homo sapiens

<400> 1222
 ctggccgaca agactgtttt attgcagggt cgttctcttg agagcgtggt ggggcccac 60
 ttccctctcc ccacccttta gctagcccag catggttctg aacaaaatga aagtcttaag 120
 ggccatagag gggaaagaaa aaaaaagaga accagcacat tacaaagcga ccatccccc 180
 atccattcct aggacgggcc ctcagggcgg tgggtgcac gtgaggagg agcggcatgg 240
 gatgttagca ccaggtattt acagaacagc tcgagagcgc ttcaggaacg cgggcaagtc 300
 caatctgcag agtgg 315

<210> 1223
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1223
 aaaaagctgg gcatggtggc atatacctgt ggttccaggt acctggaggg ctgacgtagg 60
 aggattgcct gagcccagca ggccgaagct acagtgaagt gtgattgtgc cactgcactc 120
 cagcctgggc gaggagagca agactctgtc tcaaaaataa atacataaaa tacagcgtcc 180
 aaaagtgtgt catcttcttt ctcttcacaa ttttataata agggggtaaa atgcctgtga 240
 gtctattcat tatggaaaat aaaaaagaaa caaccattta aggctgaggc attttggttt 300
 tctgctggct tttagattat taactgcatt aagccctca ctataacttc accagtatcc 360
 tagaaacaat ttgggtttcc ttttaggca gggacaggaa gtattcaaag gacagacata 420
 tggacagagt taggccttc aggggtgaag tctgtggttt cttgtgtctc aagactcaat 480
 gtcttgagaa gttggtggac cctgtcctnc atccaagaag tgct 524

<210> 1224
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 1224
 ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
 gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
 tccgctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
 agagaaaatc agttcgtggt tgcattgtgg atgcaaatct gagcgttctc aacttggtta 240
 ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
 tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
 tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
 caccgaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
 ctctgaag 488

<210> 1225
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 1225

```
<210> 1226
<211> 503
<212> DNA
<213> Homo sapiens
```

```
<210> 1227
<211> 356
<212> DNA
<213> Homo sapiens
```

```
<210> 1228
<211> 154
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 58, 60, 62, 71, 97, 113, 130
<223> n = A,T,C or G
```

```
<210> 1229
<211> 189
<212> DNA
<213> Homo sapiens
```

<400> 1229
aatcaaatg ataatttatt ctaagggttt ttacaaaata cgaaaatttt acatacataa 60

gaagaacagt ataactgagc aacttacatt ctaattaaaa ctttgttgca aaacatgttt 120
 gtgactactc ttatgctgct ttcatatagt aaagttataa gaaaaacaat catatatatg 180
 cagggtttt 189

<210> 1230

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1230

aaatcctgag tcaagccaaa acaaaaacaa aaacaaaaaac aaaacaaaaac aaaaaataaa 60
 gccatgccaa tctcatcttg ttttctgcac aagtcagggtt ttgtcaagaa aggggtgtaac 120
 acaactaagt cacagtccgc ctagaagcat ttgaaggatg gatgatggag ccggactcat 180
 catactcctg cttgctgac cacaatctgct ggaagggtgga cagcgaggcc aggatggagc 240
 cgccaatcca cacagagtgc ttgagctcag gaggagcaat gatcttgatc ttcacgtgac 300
 tgggcgccag ggcggtgatc tccttctgca tcctgttggc aacgctaggg tacatggtgg 360
 tgccgccaga cagcaatgtg ttggcgtaaa ggtctttgtg gatgtccaca tcacacttca 420
 taatggagtt caaggtagtt tcatggatgc cacaggattc catgcccagg aaggaaagc 479

<210> 1231

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1231

ctgagagtag acacttgtgg tatgtggagt acagataagc caggggacagg ccacggcacg 60
 ctccatgaaa gctaggaggg agtgaaatat cagtgatcat cgcaagggaag gaggcagaca 120
 agagtaaggc acacctgact cttaggacta gcagtcagaa ccaggaggaa aggtttttatt 180
 gctatgcggg taggtaagaa cagattttac ttacatccat atagttaactt aaagtccagt 240
 tttctgttaa acatttttct taatatattg agccaaaact agtccagtta agctgaactt 300
 ggtttttctg gagatgaatt gtttt 325

<210> 1232

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1232

gtgacaggcc gctgcggctc tgtgctggtg cgccatcatcc ctgcacccag gggcactggc 60
 atcgtctccg cacctgtgcc taagaagctg ctcatgatgg ctggtatcga tgactgctac 120
 acctcagccc ggggctgcac tgccaccctg ggcaacttcg ccaaggccac ctttgatgcc 180
 atttctaaga cctacagcta cctgaccccc gacctctgga aggagactgt attcaccaag 240
 tctccctatc aggagttcac tgaccacctc gtcaagaacc acaccagagt ctccgtgcag 300
 cggactcagg ctccag 316

<210> 1233

<211> 516

<212> DNA

<213> Homo sapiens

<400> 1233

aaaaagaatg acgtttacat ataaaaatgta attacttatt gtattttatgt gtatatggag 60
 ttgaaggga tactgtgcat aagccattat gataaattaa gcatgaaaaa tattgtctgaa 120
 ctacttttgg tgcttaaagt tgcactatt cttgaattag agttgctcta caatgacaca 180


```
<210> 1234
<211> 218
<212> DNA
<213> Homo sapiens
```

```
<210> 1235
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<210> 1236
<211> 347
<212> DNA
<213> Homo sapiens
```

```
<210> 1237
<211> 176
<212> DNA
<213> Homo sapiens
```

```
<400> 1237
ctgagggtgga gactcgcaag gtggtgctga tgcagtgcaa cattgagtcg gtggaggagg 60
gagtcaaaaca ccacctgaca cttctgctga agttggagga caaactgaac cggcacctga 120
```

gctgtgacct gatgccaaat gagaatatcc ccgagttggc ggctgagctg gtgcag 176

<210> 1238

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1238

```
aagaacctgg attctgggca ctgtgtcccg gagccagct cctcaggcca ggcctgtat 60
cctgaggttt tctatggcag tgctgggcct tccagttctc agatctctgg gggagccatg 120
gactctcaat tacatccaaa cagtggaggc ttccgccctg ggacaccctc actgcaccct 180
tacagatcac agcccctata cctacccccg ggcccagccc ctccctcagc actgctctct 240
ggggtagctc tcaagggcca gtttctggat ttctccaca tgcaagctac agagctgggg 300
aagttgccgg ctggaggagt tctctaccct ccaccttctc tctctactc tccggctttc 360
tgccccagtc ctttgccctga cacatcgttg cttcaggtag gccaggatct gccatccctc 420
tcggattttt attctactcc tctgcagcct ggtgg 455
```

<210> 1239

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1239

```
ccttttctct ggctttcttc ctttgccctg cagtagcaac tgggtgctggg acaagttgac 60
ccacctctca cagtcattgg tgtagccac ttgtgggagt ctctgccc cctcccagag 120
acggccaccc agcgggtctg gctcccaga aagttaactg atgattgtgg ggtttgtcat 180
atctgggagg gaagatgggt gctgggagag ggttgggggc agggggcaag gaaaattgct 240
acctgatttg ttgaagattt ttctcttgc cttacacatg gaggttccag gaaacctctt 300
gcagaacttc acacgtgatt cttcaagcca caccacctg aaatcaaacc aaaggagtgc 360
tgtggctccc cttgccctgc caccctttcc ctagtctttt gtagattgca ctaatttaca 420
tcttagcaag aatcaacact gtatcagtc acggacctgc tgagctgcag ccacttgctc 480
taggagctaa ggacttgcat tttca 505
```

<210> 1240

<211> 528

<212> DNA

<213> Homo sapiens

<400> 1240

```
ctgccggcat ggggtgagtgg gaccagggc tattaccgg ccagaggggt tgggggcctc 60
tctcctggaa gcctgctctt tccacacccc ctttcccagc caggctgtct tggacactct 120
cggggctccg ctgaggggca catgattccc gctttggact tcttttgaga tgtcatttta 180
acactgaggc atcctggcct ccctcccgg aagatgggtt atttgagtg ctgtcttttc 240
tttttagtccc ggtttttgta caaaaacaat gatactcccc attggactgt atttttgccc 300
aagaaacaaa agtgctcaa caggtacagt tctgctggtc aatctgtctc cggcagggct 360
ccatgggtgac agccacggcc accccactcc ggcccgatgt cattcggttc acctcgctcc 420
aggtgtctgt atctgggtcg taacactcca cactgtccag gaacgtgtga ccatcatagc 480
ctccaaggac gtagattctc ccctggtgga cagtgatccc cagggcac 528
```

<210> 1241

<211> 460

<212> DNA

<213> Homo sapiens

```

<400> 1241
ctgctcccag gatggctcgtg tgttcatttg gacctgtggg gatgcctcaa gcaatacgtg 60
gtcccctaaa ttgttgacac agttcaacga tgtggtgtgg catgtgagct ggtccatcac 120
agccaacatc ctggctgtct ctgggtggaga caataagggtg accctgtgga aggagtcagt 180
tgatgggagc tgggtgtgca tcagtgtgtg caacaagggtg cagggtccg tatcagcatc 240
agtgcacagag ggccagcaga acgagcagtg acaagacagg tggggcctgg ctccccaccc 300
gccagctcca ggactgcccc ttctgtggcc aactaaccag acaactggga agagccccc 360
actccaacag gattattttc ccaggaggag ttacagatgc agccacagat tgatcatctg 420
ccttaacgtg atcggagatg ctttctaatac tactgtccag 460

```

<210> 1242

<211> 176

<212> DNA

<213> Homo sapiens

```

<400> 1242
ctgcaccagc tcagccgcca actcggggat attctcattt ggcatcaggt cacagctcag 60
gtgccggttc agtttgtcct ccaacttcag cagaagtgtc aggtggtgtt tgactccctc 120
ctccaccgac tcaatgttgc actgcatcag caccaccttg cgagtctcca cctcag 176

```

<210> 1243

<211> 380

<212> DNA

<213> Homo sapiens

```

<400> 1243
cctgcggcac caccocatag agctgggtgag gaagtaactt ctgcttctca ttgcaactgt 60
agatccatcg gggacgaacg aatgccaggg aggggttgtc catcagggtc tctcaaagc 120
tgggatccca ttcccggtgt gtgatcacia actgaacccg gtcaactcata tagtcctcga 180
gtcctccatt gaaggctgtg gcgtatcgga tgagtttccg ccgctcgtcc ccagggaact 240
ccccgtaaag aaagaagtgc ttgccctgga agaaatctgg gagctcaggg actggcagat 300
caggaggctc ctggtgttcc tcactgtccg tgttctcatc cgtggagcct gcatacgggt 360
cttccccatt ctctcctgtg 380

```

<210> 1244

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502

<223> n = A,T,C or G

```

<400> 1244
aaaaaataat tgagagttgt gacaacttcg attcttttca ggaggtgctg tottaagata 60
gaagaaaggg atcaagctct tatcttagaa agcacagaca cgttttagctc agggtagtgc 120
aattcaatgc taagtggctg ctccatgaaa tctaagggtc gggtaagggtg aagaggccca 180
gggacttctt ccttgtctga cactctcggg actagcattc tggcaggtct tacaagttat 240
aatacaaaac catcagataa attctaatac cgactgtgta gttcctcccc aaaataattt 300
tctcttaga agtaaaatca ggaaagggc tgagtctga aaagaaacat cggggctgtg 360
gccaggccc tctgagtgtg gacgtgtcc cccgtgtctc catgtttact gccttatcgt 420
ctcctttgta tgaaagtata atttacgtaa ttcgctcctg gagaatcaca gtggtgttca 480
agaacctttt gaggccatcc angtttttgt ccttcagtac cttgaaatca ga 532

```

$\langle 220 \rangle$

<221> misc_feature
 <222> 44, 95, 113, 138, 148, 151, 163, 197, 209, 239, 294, 313,
 388, 418, 425, 472
 <223> n = A,T,C or G

<400> 1248
 gtacaagctt tttttttttt tttttttttt tttttttgct ttgnatagtt tattatacaa 60
 atgattgata gtaaaatagt gaatttttaa gcttnttcct aacctttcat tgngaatagaa 120
 cagtgatgca gggagaana acattcanaa naaaaaatcat gtntgtatta ttaaactaga 180
 agtgataaaa tgttcanaat gacaatgtnt ttaaaaaata ataaccttgt tggaattgna 240
 catctatcat tatcacaaca tgcttatttg atgaagctaa agaaaagcca gaanactaat 300
 atggctggat ganaatagca ttttaaaaca ttttcagcaa aattctaaaa atttgctgtt 360
 tagttccaaa actgaatttc atacaagngc tattattcca atagtttttt tcaattgnca 420
 ctagngatct tgatccatat actgcaatca taatatccaa aataaaagag tntttcatta 480
 ataaca 486

<210> 1249
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1249
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gctcctggga aaggaaaagga ccacagcaaa caccattcct tttgccgtac ttctagaag 120
 cactggaaga ggactgggtg tgggtggagg tgagaggggt cgttttcctg ctccagctcc 180
 agaccttgct tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1250
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1250
 ccagtgaaga ggattcagag aaaataatac aaccatcaat cagaaaaagg aggggcgaca 60
 aaggaaaata attaggctgt agcctcaatt gtgcattccc gtgcaagggt ccctgactcg 120
 ccacagcggg aacagttgac ttactttgtc ttgctgcagt tgatggttac atgaccagtt 180
 tcaaccacacc tatagcactt cactttgggt cagtcttttt gaatgtgtcc gaattctcca 240
 caagaatagc atttctgctc atctgcatgg tcgcagtcac gagccagatg gcctgggttg 300
 ccacagttgt agcagcattg ctctcgctct ctcttgggct ccttgcagtc cttggcaatg 360
 tgg 363

<210> 1251
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1251
 ctgcagtcgc ctagaaaact tgctcttaaa cttcagggtt ttttcttcct tcaaattttg 60
 gaccaaagtc tcattttctgt gttttgcctg cctctgatgc tgggacccgg aaggcgggcg 120
 ctctgtctct tgtgctcttt ctaccgcccc cgcgtcctgt cccgggggct ctctaggat 180
 cccctttccg taaaagcgtg taacaagggt gtaaatattt ataattttt atacctgttg 240
 tgagaccoga ggggcggcgg cgcggttttt tatggtgaca caaatgtata ttttgctaac 300
 agcaattcca ggctcagtat tgtgaccgcg gagccacagg ggacccacg cacattccgt 360

```
<210> 1252
<211> 324
<212> DNA
<213> Homo sapiens
```

```
<210> 1253
<211> 400
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 57, 64, 115, 163, 170, 221, 241, 255, 294, 317, 319, 327,
333, 335, 353
<223> n = A,T,C or G
```

```
<210> 1254
<211> 530
<212> DNA
<213> Homo sapiens
```

<210> 1255
<211> 314

```
<210> 1259
<211> 556
<212> DNA
<213> Homo sapiens
```



```

cccagatcgc accactgcac tccagtcttg caacagagca agactccato tcaaaaagaa 120
aagaaaagaa gactctgacc tgtactcttg aatacaagtt tctgatacca ctgcactgtc 180
tgagaatttc caaaacttta atgaactaac tgacagcttc atgaaactgt ccaccaagat 240
caagcagaga aaataattaa tttcatggga ctaaataaac taatgaggat aatattttca 300
taatttttta tttgaaattt tgctgattct tt 332

```

<210> 1263

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1263

```

cctgacagac agaagggcct ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgtc agcatagaga 120
cgatttgaat atcttcagct gatatcggtc ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

```

<210> 1264

<211> 531

<212> DNA

<213> Homo sapiens

<400> 1264

```

ctgtagcacc accatcctac tcatcttcca catccccaat catgcctcat cattgtttaa 60
aggactcaga aatcacaaagt gagaaaaatg aaacaaaagc agccatcca tagcttcagg 120
gtgagccttc acaggaccag atggataaag cagcagcact agtggagggtc tgcaccttcc 180
tgctttttta cctatttagc ttctaaaatt tttcaaacact gattttaagc aagggtctgc 240
tctgttgccc aggctggagt acagttgctc actgcaacct ccgcctcca ggctcaagcc 300
atcctcccat ctcagcctcc caagtagctg gcactacagg tgcgccacca caccagcta 360
atttttgtat tttttgtaga gacggggttt cgccatgttg cccaggctga tgggtctcaa 420
actcctgagc tcaagcgatt ctcccgcctc ggctcccaa agtgcctggga ttacaggcgt 480
gagccaccgc gcccggcctg tacctttctt ctgaatcttc ttcttctttt t 531

```

<210> 1265

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1265

```

aaaagactgg atggatataa aatagaatca actgtagtgt taggctgata atgggaaatc 60
aaagtaagtt tgttttctct tgctgttcca acaattatag gaaactatgg tccaggaggc 120
agtggaggaa gtgggggtta tgggtggagg agccgatact gagcttcttc ctatttgcca 180
tgggtaagta gcttttgagt tttacaatta ttattatctt gggagacata gctgcaggag 240
taaaagcttt ttaggatcat gttatcttct cttaaaaatct ggtagatgg ataatttcat 300
aacctatttt ttttttactc tttacttctg ttgaaacagg ctactctgta taaataggag 360
aggatgagag cccagaggta acagaacagc ttcagggttat cgaaataaca atgttaagga 420
aactcttata tcagtcatgc ataaatatgc agtgatatgg cagaagacac cagagcagat 480
gcagagagcc attttgtaga tggattggat tatttaataa cattacctta ctgtggagga 540
aggattgtaa aaaaaaatgc 560

```

<210> 1266

<211> 616

<212> DNA

<213> Homo sapiens

```

<400> 1266
ctgctggctg gctgggcccc cgtagctgga ctggtttgac aagcccatgc ctcccatcat 60
ttggctacca taagcaccac cgcttgctcc tgctgtagaa ttcaagaaga gttctacata 120
tctgtgttct gaaatgagag aaaaggcata caaaaggtta gcttaaaaaa aagacactaa 180
agtgatattt acacaaaacc atgcctccca gcatttggct accgtaagca ccaccgcttg 240
ctcctgctgt agaattcaag aagagttcta catatctgtg ttgcataatt gctttgtctt 300
ttgacatagc tgccacagca tcttcatgag ttgcgaactc gacatctgct tcaccagtta 360
ctctgccatc aggaccaatt tcaatgtgta ctctcacagg gttgagcggg gaaaaaaaaa 420
tataaatgtc attctcagta gctctgtaag gtaatccccg catgtgtaca cagtgtcctg 480
ttgtgctctg gaaagtagag ccaccatccc cgtatctgtg atcagacatt cctgaaaaac 540
agtaattgag gtctcttcca aatctatctg acccaaatcc atagccatca ttatagccat 600
tgtaatcatc atagcc                                     616

```

```

<210> 1267
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 1267
ccaaggccag tgccatatct tcaaaaacaac tagacggggg ttccaaaggc tggcccccat 60
ggctaagggc cctggcagca actgccctgt tagcacaaga agcagatgag ctaactctta 120
ggcaaaacct aaacagaaag tctccccatg ctgtggtgac tttagtaa atccaaaggac 180
atcattagct aataaatgct agactaacta gataccaaac ctgctctgtg gaaaatcccc 240
gcataaccat tgaagtttcc aacaccctaa cccagccacc ttactcctgg taacagagag 300
cccagttaaa cataactgtt tagagggtgt ggactcagtt tattctagta gg 352

```

```

<210> 1268
<211> 73
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 53
<223> n = A,T,C or G

```

```

<400> 1268
gtgtgtgtgt gtgtgtctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc gtntgtgtgc 60
tgtgtgctcg tgt                                     73

```

```

<210> 1269
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 500
<223> n = A,T,C or G

```

```

<400> 1269
aaatthttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctttgg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120

```

```

agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatct caccggcaatg agcctttttc tttctacact gaagattttc ttcttattta 240
atgtggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtggtttg atcgatatat taggggtagc tcttgatttt gttaacatta agataagggtg 420
actttttccc cctgctttta ggattaaaat caaagatact tctatatattt tatcactata 480
gatcatagtt attatacaan tgtagtgagt cctgcat 517

```

<210> 1270

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1270

```

ctgggccgca cccttgggct ctatgggaag gaccagcagg aggcagccct ggtggacatg 60
gtgaatgacg gcggtggagga cctccgctgc aaatacatct ccctcatcta caccaactat 120
gaggcgggca aggatgacta tgtg 144

```

<210> 1271

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1271

```

ccattggcat cacagccaac tttgtgaatg gacgcaccgt ggaggagacg caggtgccgg 60
agatcagtgg tgtagccagg atctacaacc agagcttctt ccagagcctt ctcaaagcca 120
cagcagcaaa ggagaaggaa cctgtccctt cagggattaa gcaagcacag ccctagttga 180
tcaccagca tgaaaagtcc tggaatctct cagagatgaa cctgtg 226

```

<210> 1272

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 567, 570

<223> n = A,T,C or G

<400> 1272

```

ctgggcatcg ttgttggaat tctggtggcc cagatctttg gtctggaatt catccttggg 60
tctgaagagc tatggccgct gctactgggt tttaccatoc ttctgctat cctacaaagt 120
gcagcccttc cattttgcc tgaagtccc agatttttgc tcattaacag aaaagaagag 180
gagaatgcta agcagatcct ccagcggttg tggggcacc caggatgtatc ccaagacatc 240
caggagatga aagatgagag tgcaaggatg tcacaagaaa agcaagtcac cgtgctggag 300
ctcttttagag tgtccagcta ccgacagccc atcatcattt ccattgtgct ccagctctct 360
cagcagctct ctgggatcaa tgctgtgttc tattactcaa caggaatctt caaggatgca 420
ggtgttcaag agcccatcta tgccaccatc ggcgcggtg tggttaatac tatcttctact 480
gtagtttctc tatttctggt ggaaagggca ggaagaagga ctctgcatat gataggccag 540
aatgtgcttg ccataggtgt acttacnaan agttgcgatg tggggccgga tcttatgcat 600
ga 602

```

<210> 1273

<211> 539

<212> DNA
<213> Homo sapiens

<400> 1273

```
ccatcaagct gctggagtat gagccacgct caggggagca ggtacccctt ctccctaaaga 60
tgaagaggag caaactggca ctaagcaagg ccatcgagag cggggacact gacctggtgt 120
tcacggtggt gctgcacctg aagaacgagc tgaaccgagg agattttttc atgacccttc 180
ggaatcagcc catggccctc agcttgtacc gacagttctg taagcatcag gagctagaga 240
cgctgaagga cctttacaat caggatgaca atcaccagga attgggcagc ttccacatcc 300
gagccagcta tgctgcagaa gagcgtattg aggggagagt agcagctctg cagacagccg 360
ccgatgcctt ctacaaggcc aagaatgagt ttgcagccaa ggctacagag gatcaaatgc 420
ggctcctacg gctgcagcgg cgcttagaag acgagctggg gggccagttc ctagacctgt 480
ctctacatga cacagttacc accctcattc ttggcgggtca caacaagcgt gcagagcag 539
```

<210> 1274

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1274

```
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aattttctctt cttcctgtta 180
ttggtagttc tgaacgttag atattttttt tccatggggt caaaagggtac ctaagtatat 240
gattgcgagt ggaaaaatag gggacagaaa tcagggtattg gcagtttttc cattttcatt 300
tgtgtgtgaa tttttaatat aaatgcggag acgtaaagca ttaatgcaag ttaaaatggt 360
tcagtgaaca agtttcagcg gttcaacttt ataataatta taaataaacc tggttaaattt 420
ttctggacaa tgccagcatt tggatttttt t 451
```

<210> 1275

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1275

```
aaaaaactgg tttgtcaaatt cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgaactcctt gttgaatggc tttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
```

<210> 1276

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1276

```
cctgatgcct cgatacagct agatgtacaa aaatatatca ttcaaagtca tgaaaaccat 60
catcatattg gtgtgacctc cttcctcccc ttgggcacag cttttgcaac tacctccttt 120
gaaatctggg agttggtggg gcaagggtca cttcttggca gcttcttctt gggcagccaa 180
atctgcctcc ttctgagcag ccaggaagat ggctcgttcc ttctggaaag ctgcaagctc 240
ttctgaactg aggtccttca ccacgcgaat gccagagaaa cgggcagacc cgatgatgga 300
gcggaacaac gacgacagg gtacatcctg cagggcaaat gcctcatcct gagctttgat 360
gcgggcaatc tcatacacat gttcaaggt caccagg 397
```


tcaccatggg gcagccgatg aggtctanag agcaaataag gggcttaaag gtcttcgggt 360
 ccaaccggc aatgactggc tcagtgtagt aagggccaaa cggtttctca tacaanaggt 420
 tgg 423

<210> 1281

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1281

ctgaaatttg tccttacagt cgagtccact gtagccaaat gcacactttt ggcagttccc 60
 attagcatct tctgtgtagc cgggcacgca cgcacactca ggggccccac cactcttctt 120
 tattaagcat tgcttgtgct gtgcgttgca ggcacagga ca 162

<210> 1282

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1282

aaaacagaag cttatatata acttagaatc taaaaccaat agatttatgg taaaccttaa 60
 gactgaacca aaacaaacaa aaaccaaagt tttaatcatt taaaaatcat gtttattgag 120
 gtacaactta tagtaaaacc tgcccttttc agcgtatagc actgagtctt gacaaatgca 180
 cagttatgta ccaccaccga ccaagg 206

<210> 1283

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1283

ctgcggttaa tccagcttgg gcctgtctgc actgcgatcc tcttgggctc tcttaggata 60
 ccccatgcc ccgtaagagg tggaagacgc ttcttccag gacagcaggc tttgagtcca 120
 gcacccagc ctgcc 135

<210> 1284

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1284

aaagatcac atgcgtgaag caggtgatgt atgttatgct gatgtttacc gagatggcac 60
 tgggtgctgt gagtttgtac ggaaagaaga tatgacctat gcagttcgaa aactggataa 120
 cactaagttt agatctaatt agggagaaac tgccatcatc cgggttaaag ttgatgggcc 180
 cagaagtcca agttatggaa gatctcgatc tcgaagccgt agtcgtagca gaagccgtag 240
 cagaagcaac agcaggagtc gcagttactc cccaaggaga agcagaggat caccacgcta 300
 ttctccccgt catagcagat ctgcgtctcg tacataagat gattgggtgac actttttgta 360
 gaacccatgt tgtatacagt tttcctttat tcagtacaat cttttcattt ttttaattcaa 420
 actgttttgt tc 432

<210> 1285

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1285
 ctggtccttg cctgggagaa ctttgtggaa ggaaaaggta agattcctta agtccaagga 60
 gagaaccaat ccagggtcaa atttcttttc attccctgga tcacaacaca ccagggaaga 120
 gaggagtcaa gaatgtctct ccctgccagt gct 153

<210> 1286

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1286
 cctgggcccc ggtcacgtcg ccaaccatct tcctgtccct agacttcacg gagtaggcga 60
 atgctatgaa gccagacag caccagttca agaagagggt gttgaacagg gaccagacga 120
 catggctggg cacggaggtc tcgtgtgga tgttgatcac ggtggacctt ggaaggatgg 180
 tgctgggg 188

<210> 1287

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1287
 aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
 tgtaggtgaa aaggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
 gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
 cagttcaata ttattgccac tgtagtgatg gacaccagtt ttagccaaca tagcatagta 240
 ctctatttca gatttccctca aagctgggca gttgttagcg agaatgacca atttcgcttt 300
 gccttgctctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
 aacgagttgg agcctagagt tgatcgactc cagcgacttt ttctgtcttct ttgcggccac 420
 catcttctctg ccttagga 438

<210> 1288

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1288
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaatgg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggct 240
 ccggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
 acccctctgc ag 312

<210> 1289

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1289
 ccacaaaaca ccaaagaatt gtaggcagtg gccctattg agaagttttc cggtagagtt 60
 ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
 gtctgtaggta ttagtgtctag tctcaaatag gtgcttcccc tgaggtgcag gggaagacca 180

aagttttgcaa ctcgaaactgc tttcgtccat gtttctcaca ttgctgtatt tt 232

<210> 1290

<211> 93

<212> DNA

<213> Homo sapiens

<400> 1290

ctggcagggc atcatgtcag gccaccaaat ccatccagaa ctaacatgca gtctctaatt 60
 tggagactct ttattgtgac caaaagattt gga 93

<210> 1291

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

<400> 1291

cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggogatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcctt tggttaaggg tgatatcatg gggatgttag aagaaacatt tgctgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tgggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtccctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc an 472

<210> 1292

<211> 69

<212> DNA

<213> Homo sapiens

<400> 1292

ccagacctga ggcccacaga cctggtcccc acaaccagga ttccataaat gtacacattc 60
 ctaattcag 69

<210> 1293

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1293

gggaaactcc gaggacagag ggctaaatcc atgaagtttg tggatggcct gatgatccac 60
 agcggagacc ctgttaacta ctacgttgac actgctgtgc gccacgtgtt gtcagacag 120
 ggtgtgctgg gcatcaaggt gaagatcatg ctgccctggg acccaactgg taagattggc 180
 cctaagaagc ccctgcctga ccacgtgagc attgtggaac ccaaagatga gatactgccc 240
 accaccccca tctcagaaca gaagggtggg aagccagagc cgctgccat gccccagcca 300
 gtccccacag cataacaggg tctccttggc ag 332

<210> 1294

<211> 207
 <212> DNA
 <213> Homo sapiens

<400> 1294
 cagattgtgt acatagagca atgttggttt ttataaaagt ctaagcaaga tgttttgtat 60
 aaaatctgaa ttttgcaatg tatttagcta cagcttggtt aacggcagtg tcattcccct 120
 ttgcactgta atgaggaaaa aatggtataa aaggttgcca aattgctgca tatttgtgcc 180
 gtaattatgt accatgaata tttatatt 207

<210> 1295
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1295
 ccaccacttg taccgatat ggacttcagg cttctctgtc caatggagcc aactaaaga 60
 tctcaccagt cacgtggtca attttaagcc aacctcttgt gtctcccctc agtgaatagc 120
 ttatgtccag accttctgga tccttggcag tcacattgcc cacttttagtg cctatagcta 180
 catcctcact gactttcgtt tggaaatcgt gttgggaaaa ttgaggtgct tcattcacat 240
 ctgtcacaaat aagcgtgaac ttggcaaaaag aacttgcatt gtacttcaca ccaaacacta 300
 gaggctcagg attttctgct ttgaacacaa tgttggaaac ag 342

<210> 1296
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1296
 ccaatgtggt tggctcttcag cttgcagtta gccagggttc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agg 83

<210> 1297
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 1297
 gacaagcaca ccctgagcaa gaaggagctg aaggagctga tccagaagga gctcaccatt 60
 ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg aagacttgga ccggaacaag 120
 gaccaggagg tgaacttcca ggagtat 147

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1298
 ctggtctaaa agagtatctg tgcattcctc acagagtggg tgatccacat ctgtctggcc 60
 cgacatgatg tcaaaaaggt cccagtgac ctggaagtgt gggagagtca gggtagggcc 120
 tcccccatgc ttcttctgca attaccact ctcccagcca ggctactgc ttgccaccgg 180
 aatggggccg gcttgccctc agtcttcggc tgagggttct catggtgccg ccatcagatg 240
 cctccccaat cagagtgaag ctgttggcac tttctgtgga catcatcctg cagacagccc 300
 cccgccacg ggccacatga gggaacagag aggcttcctc cacctactac aatgccagt 360

gcagagactc tcaagcacca g

381

<210> 1299

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1299

```
ctgctgcctg tggcgtgtgt gggctggatc ccttgaaggc tgagtttttg agggcagaaa 60
gctagctatg ggtagccagg tgttacaaag gtgctgctcc ttctccaacc cctacttggg 120
ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcattgacac 180
cttatcacct cctcctcttg gtgagctctg aacaccagct ttggcccttc cacagtaagg 240
ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta 300
gcataggtga gccctgagca ctaaaaggag gggctcctga agctttccca ctatagtgtg 360
gagttctgtc cctgggggtg gtacagcagc cttggg 396
```

<210> 1300

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 469, 474, 475, 524

<223> n = A,T,C or G

<400> 1300

```
cctgtaatta gattgttagc tttcgtggc ttttcaatgt cttttgaaca tgtgggagat 60
acttaataaa aagcatagct ctaggacact ataaaaattg ctaattactc cccttggaat 120
aaagacataa gaacatttgc ttaagattta atatgttata tataggcttg ggcatacagc 180
agtgaggggt ggggagattt tgaaaagtgc tggtttgtca tttatgtagc tggtagtttt 240
gttttgaaac tgttatgagc aaccaccgga ataactctgtt ccccatagaa actgaacctc 300
aacttcaaat ttttattatc taagctataa taataggcgg agtcgatctg gaacatacag 360
ctcgagatca agaagcaggt cccgcagtca cagtgaagac cctcgaagac atcataatca 420
tggttctcct caccttaagg ccaagcatac cagagatgat ttaaaaagnt caannagaca 480
tggtcataaa aggaaaaaat ctggttctcg atctcagagc aagntcggg atcactcaga 540
tgcagccaag aaacacaggc atgaaagggg acatcat 577
```

<210> 1301

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1301

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cctcatagat gccatcaagc ctttctcga ctattatgac ctggtggatg gggctctcta 60
ccagaaagcc atgttcatat ttctcagcaa tgctggagca gaaaggatca cagatgtggc 120
tttggaattc tggaggagtg gaaagcagag ggaagacatc aagctcaaag acattgaaca 180
cgcgttgtct gtgtcgggtt tcaataacaa gaacagtggc ttctggcaca gcagcttaat 240
tgaccggaac ctcatgtatt attttgttcc cttcctcccc ttggaatata aacacctaaa 300
aatgtgtatc cgagtggaaa tgcagtcccc aggcattgaa attgatgaag acattgtaag 360
cagagtggct gaggagatga catttttccc caaagaggag agagttttct cagataaagg 420
ctgcaaaacg gtgttcacca agtttagatta ttactacgat gattgacagt catgattggc 480
agccggagtc actgcctgga gttggaagg aaacaacact cagtccttcc aca 533
```

<210> 1302
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1302
 aaatattaac gcacactttt tttttattat attaaaaatca ggcaatgggc tgacaataaa 60
 aaggctgctt atggaatact gttatgttaa acttcactta caggatgtta aatccttaga 120
 actaagggtt tccccccaga aaaagattaa tggaaacatc aattgctttt cagacttgat 180
 agttgctgct tcaaaagggtg gttttacaca aataactaat taaaaaaaaa aa 232

<210> 1303
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1303
 gttattttaag gaggaaaaaa tattaaattt tgaattgagt gtgtaggctc cctatcatta 60
 tatatagagt ttctttttcc acggtagtca gtgacttaac ctgaattgta aatgtttgta 120
 aagggttaat tgtcctacat caaacttagt taaataatcc catccactta tggaggagga 180
 ggagaatgtg gaagaggtaa aaagctgggc acaagttcat atgcctatga gtcagtaaag 240
 actgaagtaa tgtcctatgt tgagctgggt attttgatat atgataataa ttatctttga 300
 agtagaacia ttctgttaac tggaaaatca caggatatat ccatcatatt tttcaggaca 360
 gatagttttt actgtggggc aaatagggtta aaattacact atgttagttg catttaggtt 420
 tt 422

<210> 1304
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 454
 <223> n = A,T,C or G

<400> 1304
 ccaactggagt ttatttggtt gctgacggct tgactgaact ggacaagggt cccattaggc 60
 aactgcactg caccattcac ggtgctatct atgctgggtt cctctttcaa gtccaagctg 120
 ggaagcctct ctctctggag ctctctccaa atctccaagt ttgaatgaga ctgttctctc 180
 ctccaccaca gcctggaggg gcacagtggc aggcctacc tcagaaacag gatgcttggt 240
 ttcaatatca ccaacagaca actttgtttc ttcattgtct tctttcaagc tattcttttt 300
 ttccattaag gggctttcag aaggactaca ctttatttct cgttcaattt ttctcttcat 360
 cctgggacat acaaagaacc agacgataag ggcacagaaa actgcacatc ccaccagat 420
 gaggatggta cccacagag gaagtttgct aaanccagc actaggagat aaaatgggtg 480
 atcttgaaaa cccca 495

<210> 1305
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 1305
 tggggctgct cttgatata gtgtgaaggg gcctgccttt aatatggcat ctctgagtc 60

```

agatttttggc atcaacttga agggcccaaa aatcaaagga ggtgcggatg tttcaggggg 120
tgtcagtgcc ccagacatca gccttggtga agggcatttg agtggttaaag gttccggggg 180
tgagtggaag ggacccaag tctcctctgc tctcaacttg gacacatcta agtttgctgg 240
gggccttcat ttctcaggac caaagggtga aggaggtgtg aaaggagggtc agattggact 300
ccaggctcct gggctgagtg tgtctgggcc tcaagg 336

```

```

<210> 1306
<211> 101
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
ctgggtgccc cgggtgtggc ccagcccag gacaccgtgc agttccggat ccccatggaa 60
atgacaaggg tggacctcag gaattacctc gagggcatct a 101

```

```

<210> 1307
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 1307
ctggagaccg acaggatttg ccatgcattt gcatcttget agagtttggg ttttatgaaa 60
gggcctatth tttttaagtt ggcataatth gagtggaaac actcacccta ccaaataaac 120
ttaagttgca actctaaaag cataaggaca ttttcaaatt ttctcttctt caactgagaa 180
aatgaatgtg ccagggtgaca tattatatac ttgtacttgc atacacatag aaatatatca 240
ctgtgcaaat tcgtccttga ctttataact gaatttcacc tcaaattata cattaatttg 300
cagaacaaaa tattaggaat gggcacaaat ctgtggttcc tgattttggg cattttcaat 360
ttctgtagg 369

```

```

<210> 1308
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

```

```

<400> 1308
ccttttctcca ccaaggaaaa aacgagaaga ccccaaaacc aggagagact ctgtggactc 60
caagtcttct gctcctcct ctccaaaaag accatcggtg gaaagatcaa acagcagcan 120
atcaaaagcg gagagcccca aaaca 145

```

```

<210> 1309
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G

```

<400> 1309
ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtc a tctccaccac acaggtaacag 120
cagcgctttc tggtagtcgc ccttagtgtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatttt caacatgtcc acttcactgc gggagaccat 240
gattctgac aggaccttat ctgcgcgcc cttgcccttc atggagtcac acagccgac 300
agcaaaatag aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcagtgatgc tgatccactt 480
gggaacatca gntcctttcc tcttcaactcc agcg 514

<210> 1310
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1310
aaaattacat ttgtagaagt cacacaacag aaagatacca tgcgggttgaa cagtgtgcct 60
gtacttgaac aagtgaaga agatacatat tccaaaaagg agattcagtc tagtggtact 120
tcagttattc acatagtgtc tacagggcag aatctcttcc aaagcaattt ttctgttcac 180
taatctacag gcactaatg 199

<210> 1311
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 95
<223> n = A,T,C or G

<400> 1311
ccaccttctc actgtgttct cacagggtct ttcttctgtg cctgtccctc gcagcagtcct 60
ctcccggctc tcttttgaag gagattggag tgcanaattg gctagtcctga ggtttcagtg 120
tgcaagacgt agtcagatgg ctacacattg gaaccctggg agtaatgttt tattctttgt 180
ccgatggcat tgggcgggtt gaccagcct gcagtcagga ttcccttgta ccgttcaccc 240
gggagttcag aatcgcactc tggtgaaaag ttcagcaaga gcaccattgt cagcctgact 300
gccctgt 307

<210> 1312
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1312
aaagacatgc caatttgaaa aggcatacaa gtaaaaaaat aaaagcaaag gctaaaaact 60
actttacaat aaaaaaatta aataatcggc aggttaaatg aatgtaaaat gaggaatgta 120
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctctc aggccttatgg 180
tctgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240
catgtaggtt ttgggtgcc aatgttaaat ttcaaatatt gcatgcaagg cttagcaaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttgggtgaata ttgtaaatat 360
tacaattggt attagaaagc catgatgaat ccagaattaa gagaaaaccc atttcataaa 420
tattttgttt gattaaaaaa taccaggcct accatgttct aaataactca agaaaaatct 480

ttt

483

<210> 1313
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 1313
 aaaatagggtt gttggagctt tcctcaaagg gtatgggtcat ctgttggttaa attatgttct 60
 taactgtaac cagttttttt ttatttatct ctttaaatctt tttttattat taaaagcaag 120
 tttcttttgta ttcctcaccc tagatttgta taaatgcctt tttgtccatc ctttttttct 180
 ttgttggtttt tgttgaaaac aaactggaaa cttgtttctt tttttgtata aatgagagat 240
 tgcaaagtga gtgtatcact gagtcatttg cagtgttttc tgccacagac ctttgggctg 300
 ccttatattg tgtgtgtgtg ggtgtgtgtg tgttttgaca caaaaacaat gcaagcatgt 360
 gtcattccata tttctctgca tcttctcttg gagtgaggga ggctacctgg aggggatcag 420
 cccactgaca gaccttaatc ttaattactg ctgtggctag agagtttgag g 471

<210> 1314
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160
 <223> n = A,T,C or G

<400> 1314
 aaaaaaactt ccattgccctt ccattcccct cctccaaaac taggtattgt ccaagttgta 60
 tcaaatgccca caaagtctac catgcaccca gaagcagaga agacaggagg tccagaggac 120
 aaggtatgct ggggtcacta ctgcgactgc agagtccacn cgagttaact catgctgggg 180
 gcaaagaatg gaaagagcta atacacagac aaagcaaaag aacgaaatgc gcagcct 237

<210> 1315
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 1315
 aaaaaaaaaa aagtcaccag caagtagtcc cgggtgggag gtgggagcag aataaaaaaaaa 60
 aatctgcaat gattcctaatt tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
 tttcatgagg aaggcacaac ttccaggtag tgttggggaa gggatatgagg tcctatgcag 180
 gctggcctct tatccacag atgccaagat gatgtctact ggcagtcct ccaaacttct 240
 ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgggagcgca ccaggatgtc 300
 atgaccaccc cg 312

<210> 1316
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 42, 73, 98, 110, 173, 186, 206, 214, 230, 243, 266, 276,

287, 317, 335, 337, 360, 418

<223> n = A,T,C or G

<400> 1316

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gcaacctcca cctcccgggt tcaagngatt ctctgtctc anctctctga gtagctggga 60
tcacaggcgt gcnccaccat acccggctaa tttttgtntt ttcagtaaan acgggggttc 120
accatgtttg tcaggctggg ctacatttcc tgacctcatg atccaccac ctnagcctcc 180
caaagngctg ggattacagg catganccac cgcncctggc ctgtttacan actttacaaa 240
canattttgt ttacaagctt tacacncacg gttcanttgc agttagncta tattatgctg 300
ggcccaaaac aaatgtnttt tttttttttc ccagnnggc ccaaggaacc caaaatttan 360
acaaccctgc tctaaagggt ttgattcatg tttccactgg gttatgctta ttgcctgnaa 420
ttcca 425
```

<210> 1317

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1317

```
aaaaagatct gcttttatac agaaattgaa ggatgccata ttatgagtgc ttttaagattt 60
tattctactg acttctaaaa ctgttaatat atcttttttt aaataaaaaa aaaagtttgc 120
tgtctttttt aaaaagcaat cctcaaactc tctagccaca gcagtaatta ag 172
```

<210> 1318

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1318

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cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccaggggtg 120
ggagtctctt gggca 135
```

<210> 1319

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1319

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ctgcttcaag acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaaa gatccttctt ctttggaggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtctgtct cagtccgagc cgcc 294
```

<210> 1320

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1320

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ctgcctaagt agaggacaaa gactttctcc tttcaaagga gaactgagtc caggattggg 60
aagtttaagg cacttaacct tgaccagctc tgtaggtctg gagcattctg gtccctggcc 120
gcttt 125
```

<210> 1321
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1321
 ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctggtcaga 60
 gagctgatgg atatccatt tggccccgac aagatgacat agatttgcaa aaagatgatg 120
 aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg 180
 aatttc 186

<210> 1322
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1322
 cttgacgttg acaatcgagt agtactcccg attgaagccc ccattcgtat aataattaca 60
 tcacaagacg tcttgactc atga 84

<210> 1323
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 1323
 tgcagcagac cgtaaccatt atagacgcta tccacgtcgt aggggtcctc cacgcaatta 60
 ccagcaaaat taccagaata gtgagagtgg ggaaaaag 97

<210> 1324
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1324
 aaaattacat cagctttgtt atcctggtag tctcggagac caacccaaaat aatgtccgag 60
 gtatttatcc aaaccttttt tctcaatttt cctctgatgt gacataacct ctttacacca 120
 tcgaaacaca ttgcttctag ccgtccattt cccaacattt tgattacctg agcatactcc 180
 tgaccatctt ctttgaatac cagttctctt ttttcagatt cattctcatt cttacccttg 240
 cgtctgtttt tacctccttt acctttattc ttgggcatgg cgggtggcggc gacctcgcg 300
 cgtctctgac ttctttccgg gtagcggcga ccgcggcggc tgctgctccg aggggacgaca 360
 cgaggagcgc cgcgggacca agtaggtgct ggaggccagg caacgtgcgc gggagaggct 420
 ggcgaccag ctcttca 437

<210> 1325
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 1325
ccacttctgt aaaatccaaa ccaactccgaa tctacagggg ccacaatgga atcattgagg 60
aatttcacca tcacaaactt cttcaggggc atcaggtttt tcttgtagga ctcattgata 120
ccccgctcct gatttatatc tgccaagaag atgctgtggg tgcgatacac atcctccttt 180
atgggggtcat gccagtattc ggcttgcaag aggcgttctt gaacaacttt ggagtacgcc 240
ccagcattca gtgtttttcg gatgaagtca cagatgtgag agctctctcc tgggcatcga 300
gggagtccaa aaacaccttg atgttggtcc ccaaccgaga tcagattgat catgggaggt 360
gaagggcac tctgagccac tgccctcaga aattggcctc cctgggagaa tcccatagca 420
ttgtagcctt gctgcaattt aggatcctta gcaagtgcct gacacactgt tgttacttgg 480
gaattgacat tcaagaanaa gctgttctcc acgtcctoca tcagggg 527

<210> 1326

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1326
ctgcagccgc agcctgtggc tgtgcagggc cccgagccgg cccgggtcga gaaaatattt 60
acaccagcag ctccagttca taccaataaa gaagatcctg ctaccocaaac taatttgga 120
tttatccatg catttgtcgc tgccatatca gttattattg tatctgaatt gggtgataag 180
acatttttta tagcagccat catggcaatg cgctataacc gcctgaccgt gctggctggg 240
gcaatgcttg ccttgggact aatgacatgc ttgtcagttt tgtttggtta tgccaccaca 300
gtcatcccca gggctctatac atactatggt 330

<210> 1327

<211> 512

<212> DNA

<213> Homo sapiens

<400> 1327
ccactaaaat tcatattgag attatcttgg tttcttggaa gagataggaa tgagttctta 60
tctagtgttg caggccagca aatacagagg tggtttaatc aaacagctct agtatgaagc 120
aagagtaaag actaagggtt cgagagcatt cctactcaca taagtgaaga aatctgtcag 180
ataggaatct aaatatttat agtgagattg tgaaagcaac cttaaagttt tgaagaagac 240
tgatgagact aggtgctttg ctccctttca tcaggatatc ttctgtggca tttgagaaca 300
gaaaccaaga aacatggtaa ttactaaaatt atgaggcttt gctttttgtt tgcttttaag 360
tagaaaaaca tgttggcaac attgagtttt ggagttgatt gagataatat gacttaacta 420
gttttgtcat tccatttggt aaagatacag tcaccaagaa tgttttgagt tttttgaaag 480
accccaattt aagccttgct tatttttacc tg 512

<210> 1328

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1328
ggcgggtggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
tgctcagtag agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

<210> 1329

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1329

```

aaaaatctga aatagtaa ataaatataaa aatgtaaact ctgaaaggag agaaaataag 60
aataaatatg tgtaaaggta atgcattaag atacaaagga tctcacagag gttaatattt 120
tacaacacta aaaaaaaata aaatgctcta tatattttct tagttgggac attttgtttc 180
aatttaattt ttggttatgt taacaaaaat tacctctaaa gaggatgtta aaaaaatagc 240
aatgacgtta ccatcttaac taatgaatat cctatcacc taattttttc taaaagaaat 300
ggattttttt                                     309

```

<210> 1330

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1330

```

ctgttgcaat caaggccatg gcaaaataac tggctcccag ggtggcgggtg gtggcagcag 60
tgatcctctg aacctgcaga ggccccctcc ccgagcctgg cctggctctg gcccggtcct 120
aagctggact cctcctacac aatttatatt acgtttttatt ttggttttcc ccacccccctc 180
aatctgtcgg ggagcccctg cccttcacct agctcccttg g                                     221

```

<210> 1331

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1331

```

cctgttagaa aagcaccac ccaagcctcc tggcatcagc taagccattg gcattgtcgc 60
cattcccaca gggacatccg cagaccatcg tgagataagg ctg                                     103

```

<210> 1332

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1332

```

agaatttcag agctgaagat tttagaagca aagcaaacac attctggata cacgtgagat 60
ccaagtgggtg actgtgctac tgagaagctg aacgaaatgg aaagcaaagc ctgttggagc 120
tgaggtcaaa gaatgtgaag ccagagtggg tactgaatgg gaaagttaat aacaaggatg 180
tggaagctat tgaggagacg gagtgcgcct aaagagctgc taagccacac atctcttgag 240
accagaagc tcgatctgat gactgaagtg tctgagctga agctcaagct ggttggcatg 300
gagaaggagc agagagagca ggaggagaag cggagaaaag cagaggagtt actgcaagag 360
ctcaggcacc tcaaaatcaa agtggaagag ttggaaaatg aaaggaatca gtatgaatgg 420
aagctaaagg ccactaaggc tgaagtcgcc cag                                     453

```

<210> 1333

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1333

```

cggccgaggt aaagtagtct tccgtgggtg ggaagcctca cctcccaaga ccagagtcag 60
ttggagctgg ttgttgttgg aagggagtg gttggggaac tgggggtggg gcagggagat 120
cccccgctc tgctggcggc cctaggtgga gaagaactgc acttcacaga gtct                                     174

```

<210> 1334
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1334
 cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tgggtgccttc tggacaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcca agccctcac cctgagatgg 120
 gagccgtctt cccagcccac catcccatc gtggcatca ttgctggcct ggttctcttt 180
 ggagctgtga tcgctggagc tgtggtcgct gctgtgatgt ggaggaggaa gagctcagat 240
 agaaaaggag ggagctactc tcaggctgca agcagtgaca gtgccaggg ctctgatatg 300
 tctctcacag cttgtaaagt gtgagacag 329

<210> 1335
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 458
 <223> n = A,T,C or G

<400> 1335
 ctgccactat gtggtcagtt tctaccttcc tgccgtcttt cagcttgata agtaacttgc 60
 cactgctgac tccaacggat tgcacaatag cattgggcat caccttaacc cctctcgtc 120
 tgactttttc catggtccag ttgctgaggt attcggggag gatctttccc atatttcctt 180
 tctcggggaa gagttgaatc acttctgtgc ccaaggctcg agcctttctg ccaagagcac 240
 aggccagttc gctaccaagg aagccccac cgataatcgt aattgatttg acttcccggtg 300
 aaatctttct caagcttcta aagtctccaa tctttctgaa aagcgttggt ctactcttca 360
 cctctgctcc agccctatca atggcagaca gacttcttgg agtacctcct gttgcaatca 420
 agcacttttc ataggttatt tgagagccat cattaagnnt caccatgttg tctctcacat 480
 ccag 484

<210> 1336
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 542
 <223> n = A,T,C or G

<400> 1336
 tgctgggatt ggaggtgaaa aagctggcgg ttttgccccg tattatggag atgaaccaat 60
 ggattttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 120
 agaaagcctc attagtctcg atggttctcg taaaaacccc gctagaaact gcagagacct 180
 gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 240
 caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 300
 caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtcg agaagaaaca 360
 cgtttggttt ggagagtcca tggatggtgg ttttcagttt agctacggca atcctgaact 420
 tcttgaagat gtccttgatg tgcagacctg cccgggcggc cgcgcgggca ggtccacagt 480

```
<210> 1337
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<210> 1338
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<210> 1339
<211> 527
<212> DNA
<213> Homo sapiens
```

<400> 1339						
ctggtcaccc	aactcttgtg	gaagagggga	attgagatcg	agtactgaat	atctggcaga	60
gaggctggaa	tccctcagcc	ccagagccca	gggaccactc	cagtagatgc	agagaggggc	120
ctgccagggg	gtcagggcag	tgggtatcac	tggtgacatc	aagaatatca	gggctgggga	180
ggcatctttg	tttccctggg	ccctccctcaa	agttgctgac	actttggggg	cgggaagggg	240
tagaagtagg	gctgctcctt	ttggagctgg	agggaataga	cctggagaca	gagttgaggc	300
agtcgggctg	tccaggttct	aagcatcaca	gcttctgcac	tgggctctga	ggagattctc	360
agccagagga	tcccagcctc	ctcctccctc	aaatgtcagt	ccaagcaaat	accaaagcaa	420
cgcatcgatt	ttgtngaagt	caattagaga	tgtggggagc	tatcggagac	aagcactatt	480
gtaccttttc	acctccacac	ttgtcacaaq	cagggactgt	ctcctcc		527

$$\begin{aligned} \langle 210 \rangle & 1340 \\ \langle 211 \rangle & 348 \end{aligned}$$

<212> DNA
<213> Homo sapiens

<400> 1340
ctgagctgca ggatgggagc tgggctgact ggaggggtag acgggggtgg gtctgacccc 60
attagccttt ccccatccaa cctgggcccc cataagccat tctctggccc tctgcacaag 120
acagactcag caaatctgcg aggtatgggg attctgccaa ctccccacct cgcctcacct 180
tccctaggct tgccgggtga cccaatccac tgggtgcagc cccacccctg ctcaacccca 240
catctggaca gacacatggc aaatatggaa ctgaagcccg gctgggctgg agcacatctg 300
gttgtgtgtg ggttgagagc gtcttgacag tgtcccaagg tggtcagg 348

<210> 1341
<211> 124
<212> DNA
<213> Homo sapiens

<400> 1341
gaaataaaaa aataggcttt gtgtatggtt aaactgtaa tcttatgttt acaaaatact 60
gtaattttca ggaaatcact gtattaggaa tgtgcaatga ottatataaa taaaagccat 120
tttt 124

<210> 1342
<211> 415
<212> DNA
<213> Homo sapiens

<400> 1342
aaatatcttc attttgatct atcattaatg gagaaatatt ccgtctacca tgtatataag 60
gactttcagc agatgaaatg cttaaatagt ttaagggtgg aaatgaatac agcaattaga 120
aataaggggt tgataaaata tgcatttagt tttgctgtta cagttaaaga agcatttttt 180
aagaaagact ttctcattta tctactttgt gcaataaaac ttaatttttg ttgttgtgat 240
ttatcttaca aaggatactg tatactgttc tttttcccaa actaaagtct aaatttgcac 300
taaaaaaaaa tcatgcatga tgaaaagacc agcctactta aatgtgcttg gagtcctttc 360
atgttggcat ggatcaaagc ctgagtatcc cttcaaacat tttccagttt gccag 415

<210> 1343
<211> 555
<212> DNA
<213> Homo sapiens

<400> 1343
aaaagttatt atttttttac tctttctttt ctttggagag ggtaccaaag gatagctggt 60
ctgttttaagt agggacctct catggcctac aggccttgac atctgagaat caaactggag 120
aacattccga agcgttctt ataagtgcct ccattctctac ctgggctgaa atggaatgtg 180
caaatgtagc ccagcctggg ccttgggtgt tgccagttga ttgatgactg ggagccaaag 240
tggcatctcc tttgacctaa acgggcgatg atgaaataaa actcaacagc ctttctctca 300
tcttgcatgt tgagatgcga aatagagcgt gtctctctgc ctctcatttt aggcctgaggc 360
cgtccaaagc ggccatgcc catgtttcca ctgatggcg ctgacacttc aggcattcac 420
cctcatggcc tctcagcctt gcaaaggcag ccaactaaaag tgggtgtcct gtgtggggca 480
ccaagctgag ctgcagacac ccagtaggcg cgaggcaaat gcgtccatt ttaagaggct 540
tgtatttatg agctc 555

<210> 1344
<211> 551

<210> 1348

<211> 435
 <212> DNA
 <213> Homo sapiens

<400> 1348
 aaaatcttga gggattgatc tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtgc cttgatcacc agcttaatgg tcagatcacc tgtttcaatg 120
 gcttcgtcag tatagttctt ctccaggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatatag cctaggagtg 240
 ccatcaaagt cgaaaccac gatgagggca gagatgccaa acggcctgcg cccattgctc 300
 cgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tcctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcggcgg tgagg 435

<210> 1349
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 1349
 caggtaaata taacaaaatg tgtaatttgt gactctaata ttaaataaga tatttgaaca 60
 agctaggaaa attgaatttc tgctgctgct tcaaagaaaa agctgcccc gagcattaaa 120
 catgggggat tgtaagaag caaaatgttc ttgtttgcc tcatgtgttt cacaccacaa 180
 ttctgtgcc cagttaagag ggtctggtac ccttgacgga cctttgtagg ttgtgggaaa 240
 aagtgcgaga aagatactca aagtggagca gggaatggag acagacatca gtgatgataa 300
 aaaaaaaaa aaatggacct taagaaacta ttactctgt aatctctaataaaaatattgga 360
 attccatatt agggcaatga ggctgaaact actggtgttt ttctgccttg agaaaacaaa 420
 cagttaaaac aagcctcaaa tgtatttttag tgccacccac tgg 463

<210> 1350
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 1350
 ccatactggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtct 56

<210> 1351
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1351
 ccagcctttc acatcccatg ggaaaccgcc cccccgggcc ttggagaatg ggggtccaag 60
 tgcctatccc cctttggatg taaaattcat cgttagtaaa catcatccgc ccagcaacaa 120
 gcaaagcaca tcgcaagatt aaaacaaaga atccgcctgt aacagaaggc agcaaagaaa 180
 atgtggagct actgggatcc cagggtgcacc aggactctgt gaggacagca cacctgagt 240
 atgatgatta acaccttctg gagccagctc atcagctcag agcccagggt caggagtctg 300
 ttcagtaacg cagcgggaat caatctgcac tgacaccgcg gcagggaactg aagctgcctt 360

```

ggcaagtgag gaaccaggag ccgtcactga gtgtgggtgg gctacatcat agctcatcac 420
ggagctacga ctttgggtac tgcggacaga cctggatagg cccagcattc gttctgaaga 480
tcacagttca cagaagcttt tgcttcgtna aga 513

```

<210> 1352

<211> 555

<212> DNA

<213> Homo sapiens

<400> 1352

```

ctgccagcac ggctagaata aagcaggcaa aagaagggtgg aaagagcaga ctggctgagt 60
cttctggcct ccattctttct ctctgtctgg atgttcctgt cctcaaacat cagactccaa 120
gttcttcagc ttttggactc ttggacctac accagtgggt tggcaggggc tcttgggcct 180
ttagccacag actaaagact acattttttt tttcggcttt cctacttttc agatgtgggg 240
acttggaact gattccttcc tccttagatt gcagacgggc aactgtggga cttcatcttg 300
tgattgtgtg agtcaatact tctcaataaa ctctccttca tatacatatc tgtcctatta 360
gctctgtccc tctagagaac ctgactagta caccactaat gtttttactc atgaggaaat 420
gtaaatgtga aacagaattc aagaatcaat gtcacaaaaa aatgtaagtt aataaataat 480
gaagtttttag tagaaatatt gaatcccatc taggaaagaa attattgtaa tcttggcaaa 540
actatacacc attaa 555

```

<210> 1353

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 223, 224

<223> n = A,T,C or G

<400> 1353

```

ctgcctatth ccacatctth caatccatct ggctccttaa ataggggaaa aagcccttat 60
ttgggtggaga agcatttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
aactgttaaaa atagggcctt ttgtgttttg ttatttcaac ttaatatcac cagaattcct 180
gtaattccac aattgtgatt ttactatgta gaagataatt cannttctag tctattgctt 240
tagatgtaaa aacagccaac cttcccgcga gactacgggt tccccgaacg caaggagcgc 300
gagatgggtg 310

```

<210> 1354

<211> 522

<212> DNA

<213> Homo sapiens

<400> 1354

```

ccacagcaca gaattttatg tgaggaactc agatttttga agacttaaca attgcagaga 60
aaggttgcag cctgcacacc atagcccacc tctctgagca gactttgggt ttgtgtgggt 120
acgtggcaca tgtttgtaca ctgggatttt tcaaaggacg ctacgcgagc agactgactt 180
gcctcttctg tgagcactgt ggcttttgtc agatggagtg ccggtctgca gaggactgct 240
ctttcgaatc cacagtgtta tctgtgtaaa tagctttaat ttttcttctg tgtcttaggt 300
gaagttttgt tcatgtagca accaggtaga cagtgaacaa ataaggctgt aaatgtgctg 360
tagtttttcta ctgtgatgta cttgaaggag aacctgtgtc ctctactttt ctgatctccc 420
acaagtatth tgtgtttgtt tcctgagtcg tgagggttatt attttactcc tgttttgccc 480
ccagttttct ttgttttttt tctggagacc cagggaggcc ca 522

```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 578
<223> n = A,T,C or G

<400> 1358
ctgaaaatct gaaattaaaa gcatgctaga aatcctaaat gcaatctttt ggaagtctgc 60
tattaaaaag cctttaagga tttactaact tcgagtctaa gtgcaagggg acgaaagctt 120
aagcctgtca gacattcctt ttcttggaaca aaaagatcaa agtttcctac aaattgctaa 180
gctttgcaca agggagaagc ctacatgtac tagtgcatgg aatcagtttc atcttatttc 240
atggggactc ttctccact ggaaagaaac agaatgagga atgaatctta attggtctct 300
tcatacagaag tggtaaaactt ggtctctata ttcacgaagt cagacagttt ttttaagcaga 360
ctgtggaagc agacagaacc agcttcctgt agccacagac cactacatgg tatctaagct 420
aaagcaaaga tgaacaatta tccagattca cttgaactgt actaaagggc aaggttcacc 480
actacaaaag ggaagttgtc taaaagcaag aattcaatta acgctgggta agaaaagtca 540
aaacactaat gagttgtcca tgaagccaac tgctaagnac gcgctcaact atacgcgaca 600
tgaagacact atgcacg 617

<210> 1359
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1359
aaaattaaaa aacgaaagaa aaaatagctg ggtgtggtgg ctcacacctg taatcctagc 60
actttgggag gccaaaggcg gtggattgcc tgagctcagg agtttgagac caacctgggc 120
aacatgggtg aaacctgtc tctactaaaa cataaaaaaa atcagccagg tgtggttagcg 180
tgcacctgta gtccagttta cttgggaggc tgaggcacia gaattgcttg aacctgggag 240
gtagaggttg cagagatcat gccactgcac tcccagcctg ggtgacagag caagactgtc 300
tcaaaaacaa caacaacaac aacaacaaca acaaaaacaa acaaaaaaaa cctctcaaaa 360
aaatgaaaaa aaatttaaat taaaaaaa aatgctgggt ctgatggctc acacctgtca 420
tctcagcact ttgggaagct gaggcaggca gatcacaagg tcaggagata gagaccatcc 480
tgg 483

<210> 1360
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526
<223> n = A,T,C or G

<400> 1360
gctggagccc accaagctgt cactgctgca ctactctgc aagggatcag gaccagcaac 60
ctttatattc tagattctaa gacattgtac agagaaattc agaagtgtaa aaatattgca 120
cattgacaaa taccaagaat ttttgcgtat gtttatattg tattgttcta aataatgggt 180
agcctgtgaa ataagatctt gccacccatg taataatagt agtaatacta tagttaaaat 240
ggctgtaaga atagttttat aaaagtgaat acacagatct attgtatttg aaacataact 300
ttgacaatta ttagtgtgac caaagtatta ggcggttttc atacattttt cacctgtgac 360

```

aaaattatga attcattttt cctccaggcc gacaaggagt tgtagaatga aaatgccttc 420
taagtgttat tttggttggt ctaacttaca aaagtgattt tgaataagaa atatttggtg 480
ttctttttat aaccagtttt tgattggtaa ttgttttctg tattgntt 528

```

<210> 1361

<211> 490

<212> DNA

<213> Homo sapiens

<400> 1361

```

ggagcagtc cagccttggt cagacaatgc tgtgctttcc agtgggtctca cggcagcacg 60
atgaagactg gaaagcgacg ggtctggtgc ggttctccca cttttccata agcagaacaa 120
gaaccaaadc aaacgtctta acgcgtatag agagatcacg ttccgtgagc agacacaaaa 180
cgggtggcag tttggcgagc acgaactaga ccaagcgaag ggcagcccac caccgtatat 240
caaacctcac ttccgaatgt aaaaggctca cttgcctttg gcttctctgt gacttcttcc 300
cgacccagaa agcatgggga atgtgaaggg tatgcagaat gttgttggtt actgttgctc 360
cccagagccc tcaactcgtc ccgtggccgc ctgtttttcc agcaaaccac gctaactagc 420
tgaccacaga ctccacagtg gggggacggg cgcagtatgt ggcatggcgg cagttacata 480
ttattatttt 490

```

<210> 1362

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1362

```

ccaacataga acttgatag gaaatccttt ggccttggcg cttctgtttc atggaagaac 60
cgcataacat gtgtccgctg cttccatact ttaattgttt cttccagttc gatctttccc 120
ttaatgacca gaagatcaac caccctgggg tctgtgacat gggcattctt cataaacatt 180
tctcggactt tatcccgtcc cattttcaca gtgatgtcca g 221

```

<210> 1363

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1363

```

aaattctctg gatgagcaag aaggggttaa aagtggaatg tatgttgtaa tagaagttaa 60
agttgcaact caagaaggaa aagaaataac ctgtcgaagt tatctgatga caaattacga 120
aagtgtctcc ccatcccccac agtataaaaa gattatttgc atgggtgcaa aagaaaatgg 180
tttgccgctg gagtatcaag agaagttaa agcaatagaa ccaaatgact atacaggaaa 240
ggtctcagaa gaaattgaag acatcatcaa aaagggggaa acacaaactc tttagaacat 300
aacagaatat atctaagggt attctatgtg ctaatatata atatttttaa cacttgagaa 360
cagggatctg ggggatctcc acgtttgatc cgttttcagc agtgctctga aggagtatct 420
tacttgggtg attccttggt tttagactat aaaaagaaac tgggatagga gttagacaat 480
tt 482

```

<210> 1364

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1364

```

ccttgggccc agatgagcca gtacagactc cagacagagg ggcccttggg gccctccaac 60

```

```

ctcaggtgat gagctgagaa agatgttcac gtctaagcgt ccagtggtgca cccagcgctc 120
catagacgcc tttgtgaact gaaaagagac tggcagagtc ccgagaagat ggggccctgg 180
ctttccaggg agtgacagca gcagccggcc tgcagaccca gcctgaccaa cgatgagcat 240
ttcttaggct cagctcttga tacggaaacg agtgtcttca ctccagccag catcatggtc 300
ttcgggtgctt cccgggcccc gggtctgtcg ggaggggaaga gaactgggcc tgacctacct 360
gaactgactg gccctccgag gtgggtctcg gacatcctag aggccctaca tttgtccttg 420
gataggggac cgggggggct tg                                     442

```

<210> 1365

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1365

```

aaagttgctt tgctggaagt ttttataagg aatctcaaata taaactttta gaagtttaaat 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
attacctatg gggttatatc ctcaaatacg acattctagt caaagtcttg gtaatataac 180
caatgttttc aaatgtattc tgttatatac agagcagatt tttattgaac ttgtgcaata 240
actatattcc catacaatat aaatattcat gaatagtttc ccaagtcttg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
gtaagctgtg gatagcttaa aagaaaaaaaa gtttcctgaa atctgggaaa caag          414

```

<210> 1366

<211> 502

<212> DNA

<213> Homo sapiens

<400> 1366

```

ccagtttggt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgcagac acagcagata 120
cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggctctatt taaaaagtt 240
tgtttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctccccctctc 300
ccacaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaaag 360
tcaagttaaa actatgtggg gaaaaagaga gtgcttggtc caggtaaagg acttcaagat 420
aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
tgactttgag ctgtgtgctt tt                                     502

```

<210> 1367

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1367

```

ctgtcaggga ttcacagttg agcttttggt cacctgtgtg gtgggctcta tcaggttggg 60
ggcactgggc catctggggg agtgaatgac ctgagagctt cttcccagga atttgatttt 120
attttagaag agaaagctgc tttgcctgtc ccttctcctc ctctgcttct ctttttaaca 180
ccaactgtat ttagatgaag actgcccccc accaccgtcc ccgttccatc tgtctttctt 240
acaccagtaa tcctgtaaat gtgtattttt ctccctttca tgtgttgatt caacccttga 300
ggttgggtgg acattgcatt agactcacgg cttcttaata gtactggact ttgggtttctg 360
ttttgtgttc catacggaga ggtctcttcc tttctgagtt tccgcatgca g          411

```

<210> 1368

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1368

```
gacacactaa catttatacc aaattgcaga ttattctgca gagaggggaat tgcattgttg 60
tggtgtatat ttagtatgaa cttttttcag aatataatat ttcttagtta tcaaaagtag 120
ttggaaaaca ttgcaagac tatgaacata gaattgctgc ttttatattt taactgcaga 180
ttgtgaattt cactgcctta tattatttat ttctgaaaca aaagaggcat ttttcaataa 240
aactactgaa aattt 255
```

<210> 1369

<211> 63

<212> DNA

<213> Homo sapiens

<400> 1369

```
ccttcgagaa gatccctagt gagactttga accgtatcct gggcgaccca gaagccctga 60
gag 63
```

<210> 1370

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1370

```
ctgttttaaaa tgactgtctg actcaccatg gtaatttttc acaaattaaa gacacatttt 60
gggttgtgca acagtgtcct catctttcca ggcaggcaga ttattttaat gctgttatac 120
aggggaattgg gactctcgga ttttctttt taacctttt atgcctttca gtaggggaag 180
tttccttgaa agagagctgc aaatctctta agtatcaacg taaagaagcc gatgacccaa 240
ttcgggaggt ggttcaagtg ttctgttcgt ttacaaaagc acagaccaag accatggaca 300
caccagtgag aagtaaccac acctggtgtg ttcttagaag ctacacctgtg acagttcaac 360
aagaacttac tattccagaa aagtattaca caaagttatt tt 402
```

<210> 1371

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1371

```
aaaaaagcac ctcttacc ccatcacgt ttctctgaca ggtgttaaag taggcaatga 60
gtatgtcaac agcttgagca tcagcgtctt gcaaggactt cagaccaacc actcgccaaa 120
aatcttggca gcttttttat cttgttttta atacaacggt acatccactc tgatggcaaa 180
cctgtccagc cacatctcca caacaagctt tgcaaaatca gtgattagca aattagttag 240
ctttggcagc gagctgtgct cgcttgcccg tgacagcctg gaagccgggt ttgatactgg 300
caacagaaca tctagaatga caagtttcgc actgtaggaa atagagtcgt gtgtccttct 360
gcaggattgt gtcgggtgat cggcatgtgt gacaagtgac atattccttg atatatcttc 420
tcaagacatt ttctatctgt ttctgttgga atcttc 456
```

<210> 1372

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1372

```

aaaggagact ggatatggag tgaagacaca gtctattaat gtactgagtg gagtatgggt 60
agcctatgaa aatcctgact tcacaggaga acagtatata ctggataaag gattttatac 120
cagttttgag gactggggag gcaaaaattg taagatctct tctgttcaac ctatatgttt 180
ggattctttc actggcccaa ggagacgaaa tcagattcac ttgttttcag aaccacagtt 240
tcaaggtcac agtcaaagtt ttgaagaaac aacaagtcaa attgatgatt cattttctac 300
caagtcttgc agagtttcag gaggcag 327

```

<210> 1373

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1373

```

ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
gacctcccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
gtcctcccca gccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
gctggacact caaggttttg gagtataagc accccacttc tggctcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatcttc aactggcctt aagaggagaa ccagatggct 480
gat 483

```

<210> 1374

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1374

```

ccagagggaa gtggatgcgg ggatagggca ccaggttggt ctggaattct gtcagggtcaa 60
cattcagggc tccatcaaatt ctgagggaag cagtgatgga ggacacaatt tgacctatta 120
acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
tgaggatgga gttgtagggc tcaactacag 270

```

<210> 1375

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1375

```

ccaacagagc aagaccgtgt ctcaagaaaa gaaaaaaaaa agttcaaatt ctttagaaaa 60
cagcataatt tgtagcccgt gtgatgccaa taggaattgt caaggaagtg cccgtccaag 120
tcatggaaga tgatgttatg gtacagggtg gagagcaacc actgaaggag attctgggaa 180
ggccaaaggg gagggcgggc tgaggggtgt ccattttaag ggttaacttg ccggaaacct 240
caggecgact ttccagagca gagggcctag ctttctgccc ttccccctgc aggagccaat 300
ttagtcaaaa gaaagcaaac tctggatttg ggggtgcaaa aggagacgct ggctggcaaa 360
gacctggcac actcatgcct accagctttt tacgtggctc taaacttcct gagccacccc 420
agaattccaa ctgggtgagt cctagcagcc tcttagcaca cagcaagagt cccccactcg 480
ctaattggac cgagcccaaa gcagatcccc tttagatgtg gagtgggtcc tatccctcca 540
gccctcggga atcatgat 558

```

<210> 1376

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1376

```
ctgtcattg ccccttcaa agaggaggac gagtgggaca gcccgcacat cgtcaggtac 60
tacgatgtca tgtctgatga ggaaatcgag aggatcaagg agatcgcaaa acctaaactt 120
gcacgagcca ccgttcgtga tccaagaca ggagtcctca ctgtcgccag ctaccgggtt 180
tccaaaagct cctggctaga ggaagatgat gacctgttg tggcccgagt aaatcgtcgg 240
atgcagcata tcacagggtt aacagtaaag actgcagaat tgttacaggt tgcaaattat 300
ggagtgggag gacagtatga accgcacttc gacttctcta ggaatgatga gcgagatact 360
ttcaagcatt tagggacggg gaatcgtgtg gctactttct taaactacat gagtgatgta 420
gaagctggtg gtgccaccgt cttcctgat ctgggg 456
```

<210> 1377

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1377

```
ctgttaaaga ttcccaaag catctgagac accatctggg gtgcagcaca acagaagacg 60
tttaagatgg gaccagaaag aagaatgtat agctcttctc taaataaacg aatgggtctgc 120
cccaagcctt caggaaggag aatgggtctat ggtgactggg gaaagttctc ttggccctcc 180
cagcactctg atgtcagagt agtaggttaa gggtggaagg ttgacctact tggatcttgg 240
catgcaccca cctaaccac tttctcaaga acaagaacct agaatgaata tccaagcacc 300
tcgagctatg caacctctgt tcttgtatct cttatgatct ctgatgggtt cttctcgaaa 360
atgccaaagt gaagactttg tggcatgctc cagattt 397
```

<210> 1378

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1378

```
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaacg agccctctat gggcccgaat 120
cttcttcagt cgctccaggc cttcacggag cttgttgtcc agaccatttg ctaggacctg 180
gctgtatctt ccattcttta catcctctct tctgttcaag aaccagtctg ggatcttcta 240
ctggcgtgga ttctgcataa tggatgatcac acgttccacc tcattctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cct 333
```

<210> 1379

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 43, 53, 60, 73, 123, 139, 144, 152, 169, 246, 311, 316, 334, 337, 354, 373, 418

<223> n = A,T,C or G

<400> 1379

```
tttttttttt tttttttttt tttttttttt naaagcaaat ttnttttaat ganaactcan 60
aattaaactt canagggacc caacgtcata cttccattca gggacttgat acaaaaaatt 120
```

tantttgaac tgctattanc aggnnggcagg anccaccttc aaatgaatnt tcaaattgga 180
 aaatactgct tcaccacctg ttgggggataa gttgcaaag gaataattta gtatggtttg 240
 tagctntttt gatgaccacc tcgcctggat accttcccat aaccactctg ctggtcacca 300
 ccttttccac nagctnttcc tgcaaatcct cctntanac cccactgttg ctgntgctga 360
 tattgttccct tcnacatggc tacttttatt tcacatttac taaaaccaac attggggnat 420
 ttcttttcca ttatcttctt cactggttct tcttccttaa agg 463

<210> 1380

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1380

cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccca aaaatgcaag agccatgac agtcatggcg 120
 aactgcagg cggtactgag tgaccatgtc cagtccggct ccgtccctcc cacacggggg 180
 acaagcttct ccgaggagg 199

<210> 1381

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1381

aaagtagaga taatttactg aagcgtctct gacaatctaa cttattagac agcaagcaat 60
 atataatact gaaaaagtat tcagaaatgg aaaatttaca tcatataggt tatttaactt 120
 gtgttcagcc tttttgtaac ttttttgaaa gtgcaaacaa ttctttggat tattaataa 180
 ggtatacagt atgcatgggt tctcaaattt agcttt 216

<210> 1382

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1382

ctggaggccg aggagcaggg gaagcagaag aagcggcaga gtgtgtcggg cctgcacaga 60
 taccttcaact tgctggatgg aaatgaaaat taccctgtgc ttgtggatgc agacgggtgat 120
 gtgatttcct tcccaccaat aaccaacagt gagaagacaa aggttaagaa aacgacttct 180
 gatttgtttt tggaagtaac aagtgccacc agtctgcaga tttgcaagga tgtcatggat 240
 gccctcattc tgaaaatggc agaaatgaaa aagtacactt tagaaaataa agaggaagga 300
 tcaactctcag atactgaagc cgatgcagtc tctggacaac ttccagatcc cacaacgaat 360
 cccagtgtcg gaaaggacgg gccctccctt ctggtggtgg agcagggtccg ggtggtggat 420
 ctggaaggga gcctgaaggt ggtgtaccg tccaaggccg acctgg 466

<210> 1383

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1383

aaaaaagtga catttgcttt attactattg gcagggtggg cctgcatgag gtgggttagtg 60
 tgctcagggg atgggtgggc tgtggagatg at 92

<210> 1384

<211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1384
 ctgtcctgag ctaacactaa aagtcactgg gtatttgggt aaaggtctcc cacaagactg 60
 gtattctctt tgcctgaaga aacaaggcat tgaatctcta aaatgctggt ctcaatcatt 120
 gtcagagatg ttttcagttg cagtcagaag 150

<210> 1385
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 1385
 ctgttttctt caaaatctct ggattctcca atatgggata gcgggtcttt aagtcgatga 60
 ggaagccctc aaatggctct taaggattgt ggacaataag gtggaaatta agttgctgta 120
 taagaagtag ttcataattcc agtatctggt caagtgcctt ctctgtcca agaggactct 180
 cccggaggtt tccaacaaac tgaggactag atacattgaa ttcattctact ttgcaggcca 240
 aaaatgcaca agtgagcatt attatcctgg ggtgatattc cattactgag ttattaagat 300
 aaaaacgttt gaaatacata caagccgtac ccacaacaga tottggcatt gctggcttaa 360
 acaccgaaca gaattccaat aaccttttct catagtattt gcagagtgtc atttcttcat 420
 gaggtcgaag aaagactgga tcattcggaa gaaccttccc gttgg 465

<210> 1386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 1386
 ccagtttgtt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
 tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgcagac acagcagata 120
 cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
 ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggtctatt taaaaagtt 240
 tgttttagtaa agtgacttga aaaaagtgtg taaccacttc ccaggcatcc ctcccctctc 300
 ccacaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
 tcaagttaaa actatgtggt gaaaaagaga gtgcttggtc caggtaaagg acttcaagat 420
 aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
 tgactttgag ctgtgtgctt tt 502

<210> 1387
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1387
 ctggacagat ccccttccca cctgccagca ctcaagagcc actacacctt ggaggtgctc 60
 cagccaattt gacgacactg aggatccctg tgtggaaatc attctttggc tgtctgagga 120
 atattcatgt caatcacatc cctgtccctg tcaactgaagc cttggaagtc caggggcctg 180
 tcagtctgaa tggttgtcct gaccagtaac ccaagcctat ttcacagcaa ggaaattcac 240
 cttcaaaagc actgattacc caatgcacct cctccccag ctcgagatca ttcttcaatt 300
 aggacacaaa ccagacaggt ttaatagcga atctaatttt gaattctgac catggatacc 360
 catcactttg gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaga 420
 taaaaaaatt gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac 480

taaaaaatta aatgtctttt aagaacatt cttttccact tgttaaaaaa atta 534

<210> 1388

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1388

```
ccactagagg tctgtgtgcc attgccagg cagagtctct gogttacaaa ctcctaggag 60
ggcttgctgt gcgaggggc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttggtgtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgata cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggttaagatt ggcctaaga agccctgcc tgaccacgtg agcattgttg 360
aaccctaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt gggaagccag 420
agccgcctgc catgccccag ccagtcccca cagcataaca gggctctcctt ggcag 475
```

<210> 1389

<211> 399

<212> DNA

<213> Homo sapiens

<400> 1389

```
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gcggaacgtg tgatcccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatggctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggtg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399
```

<210> 1390

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1390

```
ccactaacag acctgatact ttggatccag cactgatgag gccagggaga ttggatagaa 60
aaattgaatt tagcttgccc gatctagagg gtcggaccca catatttaag attcacgctc 120
gttcaatgag tgttgaaaga gatatcagat ttgaactgtt agcacgactg tgtccaaata 180
gcaactggtg tgagattaga agcgtctgca cagaggctgg tatgtttgcc atcagagcac 240
ggcgaaaaat tgctaccgag aaggatttct tggaagctgt aaataaggtc attaatgtct 300
atgccaaatt cagtgtact cctcgttaca tgacatacaa ctgaaccctg aaggctttca 360
agtgaaaaact tt 372
```

<210> 1391

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1391

```
ctgggtcacct tacgcaagag ccaggctgaa acatcccctc catactcagc tctttaactt 60
ttcttttctt ttttcatcgg gctctttcct aaaaagctga gctgtaaaat attttacatc 120
gaggtataat aaataatcat gtacatgttt taccaccacc caggtcaaga catagaatgt 180
```

```

ttcaacattt ccatcacccc agaaactccc cttgtacccc cttccacttc gtctccccta 240
gctcctagaa gcaaccactg atgtgatattc taccaaatacc agttttgggc ctactaaata 300
tactcttttg agactggcct cttttactca ccataatgcc tttgtaattc atccatgctg 360
ttgtgtgtat cagtagtttg ttccctttca ttgctgagta gtattctatt gtagagatgt 420
accacagttt gtttattctt ctgttgatgg acgtttgggt tgtttc 466

```

<210> 1392

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1392

```

aaagtcgttt tgggaactgt gatgtgatgt ggaaatactg atgtttccag taagggaata 60
ttggtgagct gcataataaa atttgacaga tagctattta catagccttc taagtaaagg 120
caatgaattc tccatttcct actggaggat ttattt 156

```

<210> 1393

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 27, 56, 343

<223> n = A,T,C or G

<400> 1393

```

tttttttttt tttttttttt gaagcanaag gaactcttta ttggaaagtg gatganagag 60
gcagctccag ccgtgggcat cctgaatggg aggaagaatg gacagtgtgg gaagggaag 120
ggcagcaggg acttaggacc agatggggcc tgtagctctg gggacggcac aggtgcagca 180
aggaccggct ccctctcact ggggaacgaa acaggccatc ccgaagagc cttcacagca 240
cttcttgatt cctgggcagt cagtatcttt caagcagcgg ttagggggat tcaacatggc 300
gcaccggatc aagataatgg ggcaggagcc aggcttagtg ganactggac ctttgactgg 360
ctcttgcgct ttgactttat ctgcaccttt aactgaaact tgccttttaa cgggatcttg 420
tccattgaat ggaacacggc ctttgacagt gtcttgacct ttaacaggaa ctcccgtgac 480

```

<210> 1394

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1394

```

cctctgtcct ccctcttctc aaagtccecat gattctgtca aggtaatatt gccaataatc 60
attcacattt cacgtggttt tagacacgca ggttattcag acagacacag acaacaaaac 120
aagcctcaaa gccagaacaa aacaaaacaa aacaaaatcg aacataggta taaaaggtaa 180
aatatatgta caaagtacac agtacgtgag gtatacacgg cattctcaca atgcatgtta 240
gtagtttgcc taggcatagc ccttaaagat gactgcctgt ttttggtcca tttctcaaaa 300
tacagtatat tttgtttacc cgtttaacca cctgatttca gcactgtcca agacagttac 360
tgatatttca tctgaatttg ttttttaatg aaagtgtcaa tttctccatt aagctccatc 420
ttttgtaggg gagtgagttt ccatctctgg acatatctaa cagaggctgg attcccacct 480
acaaaag 487

```

<210> 1395

<213> Homo sapiens

<400> 1398

```
ccaagggaga tgttacagcc cagatagctc ttcagcctgc actgaagtgc aatgggtggtg 60
gtcatatcaa tcatagcatt ttctggacaa acctcagccc taacgggtggt ggagaaccca 120
aaggggagtt gctggaagcc atcaaactgt actttgggtc ctttgacaag ttttaaggaga 180
agctgacggc tgcactctgtt ggtgtccaag gctcaggttg gggttggctt ggtttcaata 240
aggaacgggg acacttacia attgctgctt gtccaaatca ggatccactg caaggaacaa 300
cagg                                           304
```

<210> 1399

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 449

<223> n = A,T,C or G

<400> 1399

```
aaatgtttgt gtgggtgggc tgtgtagtta ctccccatac aacaaagctg aaaaaatttt 60
taatttacac aatgtattct gcattttcaa atgtttatgt tgtgtatata gcaaagaaat 120
tatcttactg atatgcgttg accaaatccc atggagaaaa gacatctcat ttgaggttcc 180
ccttcctctc atgtgtttga ttttttgaa ggtgatacag tatgtgggta accatgcaaa 240
tgtttatgaa taactttact gaagtgttc catccgtatt ctgttctaata acttgagaa 300
tgacctcat atttatatat tttatttctt tgtttcaact atccagtgt aattcaggaa 360
atgtttcctt tttttttttt ttacaaaaaac tttttatttg taaaatgttt gtaataatgt 420
aaaggtgaac atgttcaata aaaatcatnt attaaaagtt 460
```

<210> 1400

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1400

```
cctggctggg cctccaotgt tgaggtcato atggtgcttc cgctttattc tgattaactt 60
ttggttacac acattgaaaa atgacctaa agagttgttt tgagtggcgc tttttctcat 120
tgtacagctc ctgctagcag tttactgcaa cactgatttc tctggaacct ctgagtttcc 180
agtcatcatt agggctgtta ctagcaagga cctacaagcc agcctcaaaa tgtgagaggg 240
ctgccgacag tcttctgtg gttagctgcc acagtgccca gggaccatct tccctctcct 300
cctccccac tggcagctcc tgttcagcc gcatcagttc ctcatgtgag agatcttctt 360
catgggactg cagcaactgg tccacagcag cctcagcaac ctcttcaaag gccacatttc 420
tggcaagggg cacaatgttt ttttgaagct gtgcaatgtt atctgcctg 469
```

<210> 1401

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1401

```
ctgggaagtc tgtgccccca tcttctgcc aggtatatctg gggggctggg tgccccacag 60
cagcacactc caagcgtgcc atggccccag ctcggtatggt gagatccatg ggggtcttgg 120
tgaatgaggg aagcatattt actgtaagct tggctttgac agagtaggat gaaccaaagt 180
```

gattggagat gacacactga ttttcccct cactggcaaa ttccacctcg cgcagccgaa 240
 ggatgggtgt atactccatc acctcgccac cttggggcccg gaggtgtgca taattttcca 300
 tttcagcatc atgcagtagt tcattgtctt ttttccaagc aaaagtcatt ggggaatcac 360
 tgctgctggc ag 372

<210> 1402

<211> 542

<212> DNA

<213> Homo sapiens

<400> 1402

gaacaattgt ctctggacgg cagctatgcg actcacctgt ctgtgtgctg tgtgcctgct 60
 gcctggcagc ctggccctgc cgtgcctca ggaggcggga ggcattgagt agctacagt 120
 ggaacaggct caggactatc tcaagagatt ttatctctat gactcagaaa caaaaaatgc 180
 caacagttta gaagccaaac tcaaggagat gcaaaaattc tttggcctac ctataactgg 240
 aatgttaaac tcccgcgtca tagaaataat gcagaagccc agatgtggag tgccagatgt 300
 tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg tcacctacag 360
 gatcgtatca tatactcgag acttaccgca tattacagtg gatcgattag tgtcaaaggc 420
 tttaaacatg tggggcaaag agatccccct gcatttcagg aaagttgtat ggggaactgc 480
 tgacatcatg attggctttg cgcgaggagc tcatggggac tectacccat ttgatggggc 540
 ag 542

<210> 1403

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1403

ccttattttct cttgtccttt cgtacaagga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctccgagggt gggttctgct ccgaggctgc cccaaccgaa atttttaatg caggtttggt 360
 agtttaggac ctgtgggttt gttagggtact gtttgcatta ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt catgcccgc tcttcacggg cagggtcaatt tcactgggta 480
 aaagtaagag acagac 496

<210> 1404

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1404

ctggctcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
 caccocgttg gtggctagga tgtctttatt ggagatgac gccttcccgt tgatagttag 300
 catgtccccg ctgcagccca cctccagtgt cgtgccctcc agggctctca cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcaggctctc 420
 cagggcttct gggctcgcca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 1405

<211> 362
 <212> DNA
 <213> Homo sapiens

<400> 1405
 aaatggagct tcctcgaacc ttttaattga agcctagctt caatggtgaa tgaggaagca 60
 aagtatctca ttaaaaagtt ggtctgcaaa gcacaaagct ggccctgcaag gggacttgaa 120
 ggaagcaggc tgagtgtttg agtagtgaga tctttgcttt gctctttaga tccttcagta 180
 agctaaggtc cttttacctg aatggatgta atttagccta gttttcccat aaaataatgt 240
 aatggataat tcttattgac tagggattac acttcatgtg aaattcctca gtgacattca 300
 gattaattcc agtgtccaca atttaagcaa ctttccatag gaaattaaaa tcccaaattcc 360
 aa 362

<210> 1406
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1406
 ctgccagtgg tgagacatgg ccttcaggag ctcagggtggc tttttaactg caccatgaag 60
 attccaaact tgggtggagtt cagtgtccac acataacgaa tgagaatagg tgtcagcagt 120
 gtcaaccagg tccgcaaagg ggagaataaa aaagctaggg tgccgtatgt tgcataaaga 180
 aagtagcagg aataaacctg ccagatgtac agcagtagca taagtaggtg aacaggcata 240
 attttcaagt attttctttg atggagatga gacctgaagt tgtgaccaa gc 292

<210> 1407
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 1407
 ctgacattcg cgttttacgg gggcaccagc tctctatcac atgtttgggc gtcacccccg 60
 atgactcagc catcttctct gctgccaaag actgcagcat cattaagtgg agcgtggaga 120
 gtggacggaa gctgcatgtg attcctcgag ccaagaaggg tgccgaggga aagccccctg 180
 g 181

<210> 1408
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 1408
 gagcggaggt ggtggcggcg gaggcctttg cagctcggga ctgagtgcaa gaatcagcat 60
 gattcttcag aggcctcttca gggtctctct tgtcattcgg tcagctgtct cagtccattt 120
 gcggaggaac attggtgtta cagcagtggc atttaataag gaacttgatc ctatacagaa 180
 actctttgtg gacaagatta gagaatacaa atctaagcga cagacatctg gaggacctgt 240
 tgatgctagt tcagagtatc agcaagagct ggagagggag ctttttaagc tcaagcaaatt 300
 gtttggtaat gcagacatga atacatttcc caccttcaaa tttgaagatc ccaaatttga 360
 agtcatcgaa aaaccccagg 380

<210> 1409
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1409

```

ccagtataat gctatTTTTa agactataca gtatgtacgt gcacacacac acactgtcat 60
gtgcacagaa acatacaatg tgtattctta tcatcaatgg tccaatttaa tgaatcacac 120
agattgaaag ggttcaagtc ttaaagaagt tatgagcacc atagctgggtg ctcagactgt 180
gcatgtatct ttggatcaat gagttgttga aagtctgctg ggtgcagtaa agtacagaat 240
acagaacatc aatgtttaat gttaatacgg taggcaaaga gacccagtca gtttcctggg 300
ttgctttact ggacggctga tgaactaggt actctgttca cttggtaaatt tctcagaagc 360
cagattgact ctctatgtat cttgttttat caggattgtt tgcatagctt gctaaaaggc 420
acctaagcag cagcatcatc tctatgtctt cagtaaattg tggaacattt ctaaaatact 480
cctggaagca gagacagtgt ggtccttt 508

```

<210> 1410

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1410

```

aaatgttcta ttacagcatt atgcttcatc accacctgtt tctgaatgat ttcactttga 60
ttagaagctt ggaggggtg ttcacgccta atttctatct gttgctgttt cttcttttgc 120
tgctgatccc tgagttgctg aaccttttgc aactgctctt gcacactggc tgcctgcact 180
gtaaccacat tctgaatctg gtgagctctg acagcactgc tttgctgaat ttggataggt 240
aactggagtt tgatttctg gggcacacca ctttctgtgag cctgtatctg agccacaacc 300
tgtgactgga tctgagagag aacctggact tgttgttgca g 341

```

<210> 1411

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1411

```

ccaggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcagctgta cctcctctc ctcctattgc 180
tcgggctgta gtgcctcoga aacgtcaacg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagctt gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgacc 566

```

<210> 1412

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1412

```

ctggggccgc ttagccacc aggcatgagg ccaagggctc cactgaccag gaggcgagg 60
tctctaactc ttatcttcca caggggtcca gagttcatca ggaccccaa gagtgagtga 120
gggggcaagg ctctggcaca aaacctctc ctcccaggca ctcatttata ttgctctgaa 180
agagctttcc aaagtattt 199

```

<210> 1413


```
<400> 1416
gtagtttctt catttcagga agactgacag ttgttttgc tcttccttaa agcatttgca 60
acagctacag tctaaaattg cttctttacc aaggatattt acagaaaaga ctctgaccag 120
agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa tacaaaaatg 180
agctgggctt ggtggcgcg cctgtagtc ccagttactc gggaggctga ggcaggagaa 240
tcgcttgaac ccgggaggtg gagattgcag tgagccaga tcgcaccact gcactccagt 300
ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360
```

```

cttgaataca agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
gggactaaat gaactaatga ggataaatatt ttcataattt tttat 525

```

<210> 1417

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1417

```

gttgaaagt tgaacaagtga atgaagttca catctggaaa tcgttgaaca tttttcgttc 60
atggaactca atggctacgt tagtcgttta tgcttttcac tgttggtgta ggggctttgg 120
aagtaaagtc catcaacaat ggatacagaa gacctggatt tggaataagg gcaaaattta 180
tttgatgggg ctgaattgct ctgccaggag catttgggtg gagatgaaat ggcctctctt 240
gagactgagc tgccaacctg gcaattattg tctgctaagg gttctcttta ttcaccctta 300
cttggaactc ctttcctgta gggaaatctc cgtaaaatga aatcttccct cccccagggt 360
gtccgcaatg ttgccagtgt ctgtctgcag attggctacc caactgttgc atcagtaccc 420
cattctatca tcaacgggta caaacgagtc ctggccttgt ctgtggagac ggattacacc 480
ttcccacttg ctgaaaaggt caagg 505

```

<210> 1418

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 463

<223> n = A,T,C or G

<400> 1418

```

gccgaggaaa accgcgtact attagccatg gtcaacccca ccgtgttctt cgacattgcc 60
gtcgacggcg agcccttggg ccgcgtctcc tttgagctgt ttgcagacaa ggtcccaaag 120
acagcagaaa attttcgtgc tctgagcact ggagagaaaag gatttgggta taagggttcc 180
tgctttcaca gaattattcc agggttcatg tgtcagggtg gtgacttcac acgccataat 240
ggcactgggtg gcaagtccat ctatggggag aaatttgaag atgagaactt catcctaaag 300
catacgggtc ctggcatctt gtccatggca aatgctggac ccaacacaaa tggttcccag 360
tttttcatct gcaactgccaa gactgagtgg ttggatggca agcatgtggt gtttggcaaa 420
gtgaaagaag gcatgaatat tgtggaggcc atggagcgct ttngggtcca ggaatggcaa 480
gaccagcaag aagatcacca ttg 503

```

<210> 1419

<211> 360

<212> DNA

<213> Homo sapiens

<400> 1419

```

aaaaacctgt acacagtgtt tattgtgggt aggaagcaat ttcccaatgt acctataaga 60
aatgtgcata aagccagcct gaccaacatg gtgaaacccc atctgtacta aacataaaaa 120
aattagcctg gcatggtggt gtacgcctgt aatcccagtg acttgggagg ctgaggcagg 180
agaatcgctt gaacccggga ggccggaggt gcagtgaact aagatcgcg cactgtactc 240
cagcctgggc aacagcgaga ctccatctca aaaaaaagga aatgtgtatc aagaacatga 300
ttatccaggg gtattttcta attcagatca tcaaactgat tatatagaag agttggcttt 360

```

<210> 1420
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1420
 ccaagaagct agggctgctg gtcttccctt acacacacca gaactgggaa gtgcagtaca 60
 gtcgtgatgc tcctctgccc ccccggaag acctcaacgc ccttgacctc tatatcccca 120
 cgatggcctt cattacttac gtgctcctgg ctgggatggc actgggcatt cagaaaaggt 180
 tctccccgga ggtgctgggc ctgtgtgcaa gcacagcgt ggtgtgggtg gtgatggagg 240
 tgctggcctt gtcctgggc ctctacctgg 270

<210> 1421
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1421
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcttgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aagagat 467

<210> 1422
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 487, 555
 <223> n = A,T,C or G

<400> 1422
 ctgccgtctt aaagcagatg tgcgcaacag tgtacaggca cacctgccat agcaaattcc 60
 taggatacct cagtcctcca tgttggtatg cttttctttt caacaatgtg gaaaatgcag 120
 tttaaccaaga agcttttttg gttttccttt taaggtatta cttcaaaaaa gcaagcgatg 180
 agtttgcttg tggagcgggt tttgaggaga tctgggagga tgagacgggt ctcccgatgt 240
 atgaaggccg gattctgggc aaagtggagc ggatcgattg agccctgggg tctggctttg 300
 gtgaactgtt ggagcccgaa gctcttgtga actgtcttgg ctgtgagcaa ctgcgacaaa 360
 acattttgaa ggaaaattaa accaatgaag aagacaaagt ctaaggaaga atcgccagt 420
 gggccttcgg gagggcgggg ggagggtgat tttcatgatt catgagctgg gtactgactg 480
 agataangaa agcctgaact atttattaaa aacatgacca ctcttggcta ttgaagatgc 540
 tatittgagag actgncatac ataatatatg acttcctagg gatct 585

<210> 1423
 <211> 284
 <212> DNA
 <213> Homo sapiens

```
<210> 1424
<211> 243
<212> DNA
<213> Homo sapiens
```

```
<210> 1425
<211> 132
<212> DNA
<213> Homo sapiens
```

```
<210> 1426
<211> 222
<212> DNA
<213> Homo sapiens
```

```
<210> 1427
<211> 270
<212> DNA
<213> Homo sapiens
```

<210> 1428

<211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1428
 ctgcagcctg ggactgaccg ggaggctctg attatattacc caccacaggt aggttgtgtt 60
 ctgaatctca gggtcacagg ttaaggctac agcatcctca tctccacgg ggttggagtt 120
 gttgctggtg atgaagggtt tgggtggctc atagactgtg atcgtcgtga ctgtggtcct 180
 attgaggcca gtgtctgagt tatgggcttg gcacgtatag gatccactat tattcacagt 240
 gatgttgggg ataaagagct cttgggtgga ttgctggaaa gtcccattga caaaccaaga 300
 gtactgtgca ggtgggttag aggctgcgtg gcaggagagg ttcagatttt cccctgatct 360
 gtaagatgtg tttagagggg aaatgggtggg ggcatccggg ccatagagga cattcaggat 420
 gactgaatca ctgcgcctgg cactcactgg gttctgggtt tcacatttgt agcttgctgt 480
 gtcatttctt gtgacattga atagagttag ggtcctg 517

<210> 1429
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1429
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gtcctggga aaggaaagga ccacagcaaa caccattctt ttgcccgtac ttcctagaag 120
 cactggaaga ggactggtga tgggtggaggg tgagaggggtg ccgtttcctg ctccagctcc 180
 agaccttgct tgcagaaaac atctgcagtg cagcaaatec atgtccagcc aggcaaccag 240

<210> 1430
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 1430
 ctggatgagc caaaactaga acgacggcct cgggagagac acccaagctg gcgaagtga 60
 gaact 65

<210> 1431
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1431
 gtgctgagag tgcggagtgt gtgctccggg ctcggaacac acatttatta ttaaaaaatc 60
 caaaaaaatc taaaaaatct ttt 83

<210> 1432
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1432
 ccagcaacat gtccctgata tcagttaggt cctccttggt gaacacaaag cccacattcc 60
 cccggatatg aggcagcagt ttctccagag ctgggttggt ttccagggtc cctcggtatg 120
 ccttgcgcat catggtgttc ttgcccatca gcaccacagc cttcccgcga agggacatgc 180

$\langle 220 \rangle$ $\langle 222 \rangle$ 30, $\overline{66}$, 94 $\langle 222 \rangle$ 30, $\overline{66}$, 94 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

tttttttttt	tttttttttt	tttttttttgn	aaagcgctga	tctgttttat	ttggcaggaa	60
aacganacaa	tccagcagcc	caggagggac	agnggactt	aatcctcctc	ctcgtcgtct	120
ccagccccag	cccaccctg	gcccttcttg	gcattcttcc	tcttcacgcg	gcccggggcg	180
c						181

<211> 454

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 430

 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

ctggcttcac	tgtcaggtg	attatcctga	accatccagg	ccaataagc	gccggctatg	60
cccctgtatt	ggattgccac	acggctcaca	ttgcatgcaa	gtttgctgag	ctgaaggaaa	120
agattgatcg	cgtttctggt	aaaaagctgg	aagatggccc	taaattcttg	aagtctggtg	180
atactgccat	tgttgatatg	gttcctggca	agcccatgtg	tgttgagagc	ttctcagact	240
atccaccttt	gggtcgcttt	gctgttcgtg	atatgagaca	gacagttgcg	gtgggtgtca	300
tcaaagcagt	ggacaagaag	gctgctggag	ctggcaaggt	caccaagtct	gccagaaaa	360
ctcagaaggc	taaataaata	ttatccctaa	tacctgccac	cccactctta	atcagtggtg	420
gaagaacggn	ctcagaactg	tttgtttcaa	ttgg			454

<210> 1438

<211> 429

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ 386, $\bar{388}$, 418 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

<400> 1438

aaagaatcag	caaaatttca	aataaaaaat	tatgaaaata	ttatcctcat	tagttcattt	60
agtcocatga	aattaattat	tttctctgct	tgatcttggt	ggacagtttc	atgaagctgt	120
cagttagttc	attaaagttt	tggaaattct	cagacagtgc	agtggtatca	gaaacttgta	180
ttcaagagta	caggtcagag	tcttcttttc	tttcttttt	gagatggagt	cttgctctgt	240
tgccagaactg	gagtgcagtg	gtgcgatctg	ggctcactgc	aatctccacc	tccggggttc	300
aagcgattct	cctgcctcag	cctcccgagt	aactgggact	acaggtgogc	gccaccaagc	360
ccagctcatt	tttgtatttt	tagtananat	ggggtttcac	gatgttggct	aggatggnct	420
cgatctctg						429

<210> 1439

<211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 406, 422, 436
 <223> n = A,T,C or G

<400> 1439
 attccgtcct ggcggttgt tctctggagc agcggttctt tatctccgtc cgccttctct 60
 cctacctaag tgcgtgccgc caccgatgg aagattcgat ggacatggac atgagcccc 120
 tgaggcccca gaactatctt ttcggttgtg aactaaaggc cgacaaagat tatcacttta 180
 aggtggataa tgatgaaaat gagcaccagt tatctttaag aacggtcagt ttaggggctg 240
 gtgcaaagga tgagttgcac attggtgaag cagaggcaat gaattacgaa ggcagtccaa 300
 ttaaagtaac actggcaact ttgaaaatgt ctgtacagcc aacggtttcc cttgggggct 360
 ttgaaataac accaccagtg gtcttaaggg ttgaagtgtg gttcanggcc agtgcattat 420
 antggacagc acttantagc tgtggag 447

<210> 1440
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 1440
 aaatgcattt tattttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
 ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tcccatttgt 120
 cttaagtcct ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
 tccaaaataa ttgccacatt tgttaacatt ttccatttc taaaccatcc ttaaagaaaa 240
 tcatatatgg ggtcacacca tctcacggg agtccaatag agcaaccatg ccctctggat 300
 tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
 gttctgcagc cctgtcata aaaggtttta ctctttctgg tctctgttct tcaagtttcc 420

<210> 1441
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 1441
 cctcaatcac aactttgtca gcagcagaac cggagggagc cgcaatgtac gccacaccac 60
 tccttttagc tctgtctacg ttatctcgga aagggaagaa ggcacagag ctgatagaaa 120
 cttcagtcag tttctcaacc cattccttct tctctgcctc agtgagtaac tcagggactt 180
 cctcaaacag tgccttccac tttatcaaat cttcatcctc gccaatggtt ccagtcacat 240
 attgatcgat ggcattggag atttctgctc tcttctactc tgtttt 286

<210> 1442
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 1442
 ctggcatttt ggcagatgca tagagacatc tgagaccctc agaaaggaag gataatccaa 60
 gaatatagga aatctgtgtt ctcttctctt cattttatcc ctt 103

<210> 1443
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 1443
 ctgcagagag aactcgatgc caccgcaacg gtattggcga accggcagga tgaaagtgag 60
 cagtcacagaa agcggcttat cgaacagagc cgggagttca agaagaacac tccagaggat 120
 ttgcgcaagc aggtagcgtc gctgctgaag agtttccaag gagagattga tgcactgagt 180
 aaaagaagca aggaagctga agcagctttc ttgaatgtct acaaaagatt gattgacgtc 240
 ccagatcccg taccagcttt ggatctcgga cagcaactcc agctcaaagt gcagcgctg 300
 cagcatattg aaacagagaa ccagaaactt agggaaactc tggaagaata caacaaggaa 360
 tttgctgaag tgaaaaatca agaggttacg ataaaagcac ttaaagagaa aatccgagaa 420
 tatgaacagg cactgaagaa ccaagccgaa accatagctc ttgagaagga acagaagtta 480
 cagaatgact ttgcagaaaa ggagagaaaag ctgcaggaga cacagatgtc caccacctc 539

<210> 1444
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 479
 <223> n = A,T,C or G

<400> 1444
 ctgctttggt ttctgttggc agtggagggg caaggtgaga ggagccaggg gtagtcatga 60
 acaccagtgg gttctgccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
 gctccagcag tctcaactgg gaagaccag gactcctgct cttttctcta gtccctggga 180
 gacgaggtcc agctaaggta gagtaagcag tcagtgacca ggcaggctgg tttgggaggt 240
 cactgcctgg agggcgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
 attacgtaga actttcttcc cctcctcagt tgaggtgcct agatgtcca caacgggggtc 360
 ttcactcagg tcttccaaag gcacacgctc aaacagtggg tgctcttcga aatgagtga 420
 catccagtcg tgtagctcca gcacatcggt tatggtatac accagcccc aactcttanc 480
 acgt 484

<210> 1445
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 275, 326, 369
 <223> n = A,T,C or G

<400> 1445
 aaaagaatac tagcagcttt tacctaggct cctaaatgct tgtaaactctg agactgactg 60
 gacccaccca gaccagggc aaagatacat gttaccatat catctttata aagaattttt 120
 tttttgtcgt cagtttggcc tttcctactg cagccagggtg agagcttaag atgtcagtcc 180
 ccaatatctt cacagagtgc ctttatgacc agtttggaga attacgatgg taaggggaag 240
 aggcagatat gaagaggaat ggttagggga attgncattc ataactctgt gctatattac 300

```
<210> 1446
<211> 432
<212> DNA
<213> Homo sapiens
```

```
<210> 1447
<211> 416
<212> DNA
<213> Homo sapiens
```

```
<210> 1448
<211> 429
<212> DNA
<213> Homo sapiens
```

```
<210> 1449
<211> 324
<212> DNA
<213> Homo sapiens
```

<400> 1449
ctgccaaaat ctggggaaaa taggatcaaa gttaggggac agttttagtt ctggtgagag 60

```
<210> 1450
<211> 70
<212> DNA
<213> Homo sapiens
```

```
<210> 1451
<211> 391
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G
```

```
<210> 1452
<211> 490
<212> DNA
<213> Homo sapiens
```

```
<210> 1453
<211> 334
<212> DNA
<213> Homo sapiens
```



```
<210> 1460
<211> 533
<212> DNA
<213> Homo sapiens
```

```
<210> 1461
<211> 553
<212> DNA
<213> Homo sapiens
```

```
<210> 1462
<211> 375
<212> DNA
<213> Homo sapiens
```

<210> 1463

<211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1463
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggttaagggg tgatatcatg gggatgttag aagaaacatt tgctgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
 aaggctcggaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc ag 472

<210> 1464
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 232
 <223> n = A,T,C or G

<400> 1464
 ccacttcctc aggactaagc agcaaaacct aaaggtctgc ctgcccagac cacactacac 60
 atttgggctc aggcacagtc cctgacactt taacctcatt ccaaagtcag ctcagggtctg 120
 caggaaggca ggcaaaattc cctacacctc atttctggat ttctgcacca cacagctctc 180
 actgtttctg ccaatggtga aaagaccacc aataagctgc tgcccttctc tncccaacc 240
 attcccaact ttcaggccaa agagccgcag gagtttcatt ctgtcctgtc tgtacagatc 300
 attattttcc agaaaaagtg acccatgaag ttggctgggg cgggtgtgga gtgttatgtc 360
 atgggacgga ccttgggatg agggcggttaa tccatggggc cctctgagat cacttt 416

<210> 1465
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499, 548, 590
 <223> n = A,T,C or G

<400> 1465
 ccatgggtctt caccocatga attctccact ctccattttg tgaaagcacc atcctgatca 60
 tctttctctg agacagcagt gaaggtcagt gcgtgggtca taagtgactc accaaaagtc 120
 agcctctccg ctttattcat gttcttcaag gagacaccaa aactaactc atggtcatag 180
 agattcatgt cactgaggcc cagcttgcta ttgaagtgtt ttccaacatc acagccaaac 240
 cacacagcct ctccatcttt gatggaggca gcaaccatct ttttcaggaa gtcaatgggc 300
 tggttggtgt atagagtttt tctccctcca accatattgc ttaagtattc cactgtgtaa 360
 agtttggtgt acttgtgctg gggcctaggg tcattcacta aacaaatctt atcttccata 420
 ttgaagagtg gcttgacatg ttccctgtaa aactccaagg gtgttatggg gcccattttc 480
 tgataatttt tatctttgnc tcgatattcc cagggtgaatg tctctggtgg attacccaaa 540
 cagatgcnc a cactcgga tatctcctcc atcatgacgt cctgtgtggn cgagaattc 599

<210> 1466
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1466
 cctaaaagca aactccacag ccaaacccttt cctcctgtct gtcctacaca ccaggaagaa 60
 tcgaaaaaagg gaatttttccct ttacatagct caagttaaag actttttcat gaaaaagtct 120
 agatcatctc tctactgtga tttgggtacat ttctaacgtt tattttttatt ttttaactta 180
 atttttgtgg atacatagta ggcggtacata tttctgtggt acatgagatg ttttaataca 240
 ggtgtgaaac atgtaacaat caggtcatct aaaatggggt acccatcccc tcatgcaactg 300
 atctttttgtg ttatacaagc aatccaatta tactctttta gttattttt 349

<210> 1467
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1467
 gctgggtcag ggaagtgtct tcttgccac atttctgtgg ggaaagggtt ttaatcctct 60
 gatgcttcca tcttctgtt taggccatgt gccagaaaac ctggactgat ctttcttta 120
 tagtgaaccc ctgggccact gaagagtaac atgggtccac tggacacaaa agagggatgg 180
 aatcaacagg cagggggcct tttataagcc ttaggaaaag aaaatgaaac tatttcatct 240
 ttggactttt caatactatt ggagtgattt ttttctttct aaacagggaa aataatgtta 300
 caaaagcatc ttttttgtta tttgtttgca tccctcccc acaccctggt gtttt 355

<210> 1468
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1468
 cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
 cgggacatgt tgagtaaagg taatttgcca gtcctgggtg gggcaaattc tccagcctga 120
 tgtgtagggg agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
 cactgagaag ttatttccct gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
 gagaggcggg ctagtggctt g 261

<210> 1469
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1469
 cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtggctctt 60
 ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
 cttcttcagt cgtccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
 gctgtatttt ccatecttta catecttctg tctgttcaag aaccagtctg ggatcttgta 240
 ctggcgtaga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagtctctc 300
 cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagtga tggcaaaggc tattttccgc cgcccatcga tgttgggtgtt 420
 gacctgcc 428

<213> Homo sapiens

<400> 1473

```
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt ttgcaagac 120
tggttcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctggttcag 240
cttcaagaaa aagccttggt tgcagtcctt aaaaattaca agctggtagc tgcaccattg 300
tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag 357
```

<210> 1474

<211> 374

<212> DNA

<213> Homo sapiens

<400> 1474

```
ccacaaatgg cgtgggtccat gtcattacca atgttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacia gcatcagcgt 120
tttccagggc ttcccagagg tctgtgctgac tagcccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacaga aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga ttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagaa 360
aagatgtact tttt 374
```

<210> 1475

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1475

```
aaatattgtg aaaacattac agcggaatga attttcgcag tggttaggtc aaatgcagtt 60
acatcatagc aacagtatgt ttgacacaat ttaaggcttt ggctggttct ttagtcagct 120
tcttcctctg attcttcttc ttacagcagtt tctaaccagg ttagccactg attcacctgg 180
aacaaagcct tgccttttcc cggaaactct tgggttatat cttctttcca agccaagaaa 240
gcttcttctt caataatttc c 261
```

<210> 1476

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 280, 328

<223> n = A,T,C or G

<400> 1476

```
ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctcttgacg ttgacaatcg 120
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgagct gtccccacat taggctttaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggn caatgctctg aaatctgtgg 300
agcaaaccac agtttcatgc ccacgttctt agaattaatt cccctaaaaa tcaaaaaaaaa 360
aaaaaaaaa aaaaaaaaaa ctaccttggc 390
```

<210> 1477
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 1477
 aaaaaaccaa tagcagccaa aacagaacat ttgtaaacaa aaccacaact atcagccctg 60
 tgcttaaaca cagaatctgc attcttttga aacattaagt atatgcaata aagagaatat 120
 agaccatctt ttctcttaat atacaatacc caatatctaa aacaatgtca ccaataatag 180
 acacaaatcg gtgttatcat aaggcatgtt gaacagtctt tttcacagta ctcaggggca 240
 tcatgttgct gcagaggcca cactttccag aagttttctc ctgctgcga tcctcgca 300
 ccgggggcac tcggaggact ggaagcactg tttgtgaaag caagccctgc acgctgaaca 360
 tctttacat gttgctgtct gaaat 385

<210> 1478
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 350
 <223> n = A,T,C or G

<400> 1478
 aaaaattaat taaagagaaa gagaaaagca acattttaat gccccaggaa ttgaaactaa 60
 cgttttctgt ctgggtgga cccctacgcc catcttttaa acctatatat ggaaaaggaa 120
 atttcaatgc cagatttgat aaaagaatgt gatgtatatg tagctgatga cccactgggg 180
 aacaccagtg ttccagttca cttaccacat ctgtgacagt gtgttttagat tggaataaat 240
 gtgatgcatt acttcttatg tttttatcag tgacatgggt gactgtgccc taattctctt 300
 gagttgcagt taagcaatga aggttatttc ctaataggga agcaaaaggn gattgtcaat 360
 tgatagttta atgtttgacc acattagtgt ctttatatga aatagtagag gggaagaaat 420
 tatagaaaac aaatgtgaaa aaaatacacc agtgggtatc tgttctacta aaaccagaag 480
 attgttatga g 491

<210> 1479
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1479
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc agcacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgc 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1480
 <211> 283
 <212> DNA

<213> Homo sapiens

<400> 1480

```
ggcgctgggg aagctgaagc agttcgatgc ctacccaag actttggagg acttccgggt 60
caagacctgc gggggcgcca ccgtgaccat tgtcagtggc cttctcatgc tgctactgtt 120
cctgtccgag ctgcagtatt acctcaccac ggaggtgcat cctgagctct acgtggacaa 180
gtcgcgggga gataaactga agatcaacat cgatgtactt tttccgcaca tgccttgtgc 240
ctatctgagt attgatgcca tggatgtggc cggagaacag cag 283
```

<210> 1481

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1481

```
aaatttgatg tgaaggaagt atcttaggag aagctaaaaa atacataaat gaacgaagac 60
tggaagaatc ttcaagatgt taaaaactca tataaccaca gaaataaaaa ctccaattgt 120
taaagtcata gtaaagagaa ggaagcaaat cataataggt caaaatataa agataaaatg 180
accactgaaa ggataataaa gatttgtgaaa atcaggacac tctcaaacag aaacccaaaag 240
cggaagagag atgaaagcaa gagcaaagta agacacaatt tgtacgatca acagaactgg 300
cactaggggtc aagagcagct tcactttgca gaattcatca atttgaagaa cttctgtgat 360
cttttgtgat ggctgtttac aatgaacagt agtttcattt atatctgttc cactaaaaac 420
cactgctttt tccaatatcg tgatcacagt aatgtttaca aagaatcaaa cagaacataa 480
gaaggactaa agatacttct gaaacagata ttaaaaaata ataatgatgg 530
```

<210> 1482

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 393, 402

<223> n = A,T,C or G

<400> 1482

```
ctgccaaagg gacctgttta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccacctt tctgtttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgtcacagt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac aggggtctccg ctgtggatca tcaggtcatc cacaaacttc 300
atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatgaaccg cagcacacca tancaggccc tncgcacagc aagccctcct 420
```

<210> 1483

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1483

```
ccatggaagg cgaatttggg tttgaaattc ctgatataga tgctgaaaag ttaatgtgtc 60
cacaagaaat tgtagattac attgcagata agaaggatgt atatgaataa agtatcagac 120
cctttggctt tgctgagaga ggactcagat gatagtgcg aatgtctggc ggtgaggaca 180
```

```
<210> 1484
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<210> 1485
<211> 546
<212> DNA
<213> Homo sapiens
```

<400> 1485						
aaaagtacttt	attttgtcac	agcagccaaag	acactaacaa	ccacctaataat	gtccagggaca	60
gttgaatgga	taaaataaat	gtggtaatat	acatacaacc	aaatattatg	tatcctttaa	120
aaaaatcctg	tcatatacta	caacatggat	gaatcttgag	gacattacac	taagtgaat	180
aagccagtc	cagaaggaca	aatattgcat	gaatccacta	atatcagggtg	tctaaaacag	240
taaaactcat	caaatacaga	agtaaaatgg	tggttaccag	gggtcagagg	gagacgaaaa	300
ttgggaggtg	ctgttcaatg	ggtataat	tagtcatgca	agatgaaaag	ttctagagat	360
ctgctatata	acaatgtaca	gacagttaac	aatactatat	tgtaccctta	aacattttgtg	420
gaagaaggta	ggtctcacgt	taagtgtttt	ttaccacaat	naaaaaatat	acagtcattg	480
atacataaag	agaaatgagc	tgttgggcaa	ttttgttgtt	atacaaacat	gatagtgtac	540
ttacac						546

```
<210> 1486
<211> 178
<212> DNA
<213> Homo sapiens
```

```
<400> 1486
aaaatccaga acttggaactc catcggttaa attatattat tgtaacattc aaatgtgtgc 60
attaaatatg cttccacagt aaaatctgaa aaactgattt gtgattgaaa gctgcctttc 120
tatttacttg agtcctgtac atacatactt ttttatgagc tatgaaataa aacatttt 178
```

```
<210> 1487
<211> 498
<212> DNA
<213> Homo sapiens
```

 $\langle 220 \rangle$

```
<400> 1490
ccatgtgtgc gccagtgaa aagtttctga acatgggtgc acccctggga gtgggcctgg 60
gtctcgtctt tgtgtctca ttgggatcta tgtttcttcc acctaccacc gtggctggtg 120
ccactcttta ctcagtggca atgtacggtg gattagttct tttcagcatg ttcttctgt 180
atgataccca gaaagtaatc aagcgtgcag aagtatcacc aatgtatgga gttcaaaaat 240
```

```

atgatcccat taactcgatg ctgagtatct acatggatac attaaatata tttatgcgag 300
ttgcaactat gctggcaact ggaggcaaca gaaagaaatg aagtgaactca gcttctggct 360
tctctgctac atcaaataatc ttgtttaatg gggcagatat gcattaaata gtttgtacaa 420
gca 423

```

```

<210> 1491
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430, 443
<223> n = A,T,C or G

```

```

<400> 1491
ttcacttggtg tgcggaactc ctcggaacca tggcgctccct ttcccttgca cctgttaaca 60
tctttaaggc aggagctgat gaagagagag cagagacagc tcgtctgact tcttttattg 120
gtgccatcgc cattggagac ttggtaaaga gcaccttggg acccaaaggc atggacaaaa 180
ttcttctaag cagtggacga gatgcctctc ttatggtaac caatgatggg gccactattc 240
taaaaaacat tgggtgttgac aatccagcag ctaaaagttt agttgatatg tcaagggttc 300
aagatgatga agttggtgat ggcaactacct ctgttaccgt tttagcagca gaattattaa 360
gggaagcaga atctttaatt gcaaaaagat tcatccacag accatcatag cgggttggag 420
agaagccacn aaggctgcaa ganaggcgct gttgagttct gcagttgatc a 471

```

```

<210> 1492
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<400> 1492
ctggtcagga actctggggag gaaggcggca aagaagccat caaagtcgac tgaggccatg 60
ttgtagatgg cgatgccaat ctctctctgc agaagatcat gggacttgtg gaccaggacc 120
tggagcagca cgttcacaaa ctggaacagc atggcagtcg ggaagatctt cttgtggtac 180
agcttctgct tgggtgttgag agtctccaag tagaagagat tttgttt 227

```

```

<210> 1493
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 1493
ctgccaaagg gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gcccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcgacgt agtagttaac agggctctccg ctgtggatca tcaggccatc cacaaacttc 300
atggatttag cctctgtgcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatgaaccg cagcacacca tagcaggccc tccgcacagt aagccctcct 420
aggagtttgt aacgcagaga ctctgcctgg gcaatggcac acagacctct agtgg 475

```

```

<210> 1494
<211> 480
<212> DNA

```

$\langle 220 \rangle$ $\langle 222 \rangle$ 400

<223> n = A, T, C or G

<400> 1494

aaacagagaa	tatatatttt	aatacatcgt	ttaagtttat	gattaattat	ctattactga	60
ggataagaat	ctttgectgt	gctcattcag	catttgcact	tcatttatga	tctgccttct	120
catagcttct	gttaattttt	atactagaga	cattttatttg	tttgtataaa	tgttgaaggt	180
ttttttttgt	tgttggttgt	tttgagtcag	agcctcgctc	tgtcaccag	gctggagtgc	240
agtggcatga	tctcggtca	ctgcagcctc	catctcctgg	gttaaagtga	ttctcctgcc	300
tcagcctcca	gagtagctgg	gactacaggc	atgtgccacc	aagcaaggct	aatattttgt	360
atttttagta	gagatgggt	tctgtcctgt	tagccagggn	ggtctcgatc	tcctgacctc	420
atgatctacc	tgcctcggcc	tcccaaagtg	ctaggattac	aggtgtgagc	caccgtgccc	480

<210> 1495

<211> 497

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 304

<223> n = A, T, C or G

<400> 1495

cctttagttt	ttttgtctct	tgttgctgga	gcccatccac	tgtctgacat	catagccatg	60
ggcaagagga	tattgccttg	gctctgtctg	agtgctggat	tgtgaccggc	cataagtagc	120
ctttgcaaag	gaagctaata	gacagtgcct	gaattaaggg	tgcttaccct	atcctagaaa	180
gcgttaaagt	caaagcggaa	aatatacatg	gtacccaaaa	tcaaggagac	tgccagagac	240
cagcagggga	tctaagggat	ttaccactgg	gttagcacag	acaactacact	tgaagatttc	300
ctancggctg	ctgctgctgt	ttccatgata	agaattcagt	gagacaaaga	acctgccaag	360
ctcattaacc	gagtagcagg	aagagctact	gtgtagcctc	tggtgttccc	caactgactc	420
agccctgcag	atgggacatc	ctgtagggtc	tgtgaatatc	aagttactga	gggatgttct	480
caggacaagc	ctagcat					497

<210> 1496

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1496

gcttcattc	tggtggaac	cggggctcgtg	gtcggggagg	aaaaagagga	aaccagtcgg	60
ggaagaatgt	gatggtggag	cgcacatcggc	atgagggtgt	cttcatttgt	cgaggaaagg	120
aagatgcact	ggtcaccaag	aacctgggtcc	ctggggaatc	agtttatgga	gagaagagag	180
tctcgatttc	ggaaggagat	gacaaaattg	agtaccgagc	ctggaacccc	ttccgctcca	240
agctagcagc	agcaatcctg	ggtggtgtgg	accagatcca	catcaaaccg	ggggctaagg	300
ttctctacct	cggggctgcc	tcgggcacca	cgggtctccc	tgtctctgac	atcgttggtc	360
cggatggtct	agtctatgca	gtcgagttct	cccaccgctc	tggccgtgac	ctcattaact	420
tgg						423

<210> 1497
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 1497
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctacagttagt gcaaaccgca gtgacccagt caccctggat 120
 gtccctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taattccata 360
 gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409

<210> 1498
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1498
 cctccgtcca gcatcagctc aaaggcgaag gacacattgt ggaccttctg atcgaagctt 60
 tccggagtca ggtagaagtg gtggagagga acaaagtagt cttccagaag gcccatgagc 120
 agaaccaggc acacgccatc tgcaaactgg gtctccagtt ccgtcacctc caaattcagc 180
 ttgttcaggc gcttgttcac aaaagtgatg agagacttct tcaccacgct gagcttatcc 240
 ggggcgtggt cgaacagcgt gtcgaaggca tcccgctcga accggcccat catcatctct 300
 atagttgtgg tcagctcctc cgagatgtgg ctggaatgca gcagg 345

<210> 1499
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 225, 301, 371, 373
 <223> n = A,T,C or G

<400> 1499
 tttttttttt ttttttgttg tcccanattt attgaaaata atacagcact acagaaaaaa 60
 ttcaaacagg tccccgaggc gttttgaaat tcattccaac ttaggctga gtgacctgaa 120
 ggttggacag actgccgaag tccaaaagct tcagcatttc cttagtgtca ggatctactt 180
 caataatctc ctgatccaag gctgagacct caggaacata attgnctctc ctttctctct 240
 cctcctcctg cagcttgatg gagatacctc ttactgggcc tctctgaatt cgcttcatca 300
 natgcgtgac gtaacctgct atcttgttgc ggagcttttt gctggggata atggcgatct 360
 cctcgcacac ncncttggtc gtgtgga 387

<210> 1500
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 1500
 aaaatccttc agaatacatt tatgaaccaa tgcgactgga cttagccaca cacaatggaa 60
 attcagacct tgactatttg gtgtttccag ttcacaaagg tgatgaagac tgtcttggga 120

```
<210> 1501
<211> 537
<212> DNA
<213> Homo sapiens
```

<400> 1501						
ccacatcaaa	agaatcactg	ataatgacat	ccagtcacctg	gtgctagaga	ttgaagggac	60
aaatgtaagc	accacatata	tcacatgcc	tgcagacccc	aagaagacgc	tggaatttaa	120
acttcctttc	cttgtcatga	ttatcaaaaa	cctgaagaag	tattttacct	tcgaagtgc	180
ggtactagat	gacaagaatg	tgcgtcgtcg	ctttcgggca	agtaactacc	agagcaccac	240
ccgggtcaaa	cccttcacat	gcaccatgcc	catgcggctg	gatgacggct	ggaaccagat	300
tcagttcaac	ttgccagact	tcacacggcg	agcatacggc	accaattaca	tcgagaccct	360
cagagtgcag	atccatgcaa	attgtcgcac	ccgacgggtt	tacttctcag	acagactcta	420
ctcagaagat	gagctgccgg	cagagttcaa	actgtatctc	ccagttcaga	acaaggcaaa	480
gcaataactg	gnattgtgac	tcgagggata	gacccctgg	atgtgactct	tcttttt	537

```
<210> 1502
<211> 176
<212> DNA
<213> Homo sapiens
```

```
<400> 1502
ctgtccaatg gcaacaggac cctcactota ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctcaagtgagt gcaaacgcga gtgacccagt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttc 176
```

```
<210> 1503
<211> 455
<212> DNA
<213> Homo sapiens
```

<400> 1503						
ctgtcaaagc	catcatatat	cagtatatgg	aagaggtggg	tttttattta	actacttgga	60
taatttgtag	ctacttttat	gatgtagtaa	tgtcactggt	taaccagggt	tggatattag	120
atgatcctaa	caattcacta	tctgtggcc	taaagagaca	ggaattgata	tcctttataa	180
ggaaaaaagt	ctattcacag	gagccgagca	gattgctcac	tgctgtgtag	taccctgggtg	240
agaggagata	aatggagcaa	ggctgtaggt	tggagccctt	cagtagaatc	atagattttg	300
agctgcaaga	tgatgcagga	ggccaaccaa	gcttcttggt	gctggtgagg	aatgtgaggt	360
tgaagcttgt	ctgtgctgat	gcagtgcgtg	attgagtgga	tctctggctc	ccgtccatgt	420
gtcctgacac	ccagtctggt	actttcatta	tgcca			455

```
<210> 1504
<211> 266
<212> DNA
<213> Homo sapiens
```

<210> 1508

<211> 483
 <212> DNA
 <213> Homo sapiens

<400> 1508
 aaaaaggaaa aactaaaagg gactgcctgc tttttttact gtaaacaacag ccctggatat 60
 taaatcccaa acaggaatct ctccaggcatc agagagtgtc aagtgagtca ggaataaacac 120
 aaaataaagg aatgggggag aaaataaaaa aaaaacaaaag caaaattaaa ataatgtca 180
 gtcactttga ggaactatac ttacgtatat gatgttatga gaatctggca gggcctagaa 240
 gcaggccaaa caggaagtgc atttatccaa ccgaagagga tcatgttcat tgcttccggg 300
 tttgaggaca ggatattgta gggaaactga tatgatcaat aacgcttgc tgcccttacac 360
 agaccttagc cagggatcag cctaactctg aagaatcatt caaataattt tggcaattat 420
 tataaggact tagaactgac tgcacccagt gttcagtgat tcttgccctc tgttttggtta 480
 ctg 483

<210> 1509
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1509
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataattattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaaagcg 200

<210> 1510
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1510
 ctgtggcctc tgccacccca tgggtgccag tcttaagttt cagagcatca ctggtactca 60
 ccctggctct gcagctcctg ggcccagaga caggatttcg tgttagcctc ctggtactgt 120
 gctgggggtga tgataaaact aacaaccag gctggacgca gtggctcaca cccgaaatcc 180
 caacattttg ggaggccgag gtgggtggat caactgaggt caggagttcg agaccagcct 240
 gg 242

<210> 1511
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 455
 <223> n = A,T,C or G

<400> 1511
 gagatcatct gctccagaac caaccaggag ctgcaggaaa ttaacagagt ctacaaggaa 60
 atgtacaaga ctgatctgga gaaggacatt atttcggaca catctggcga cttccgcaag 120
 ctgatggttg ccctggcaaa gggtagaaga gcagaggatg gctctgtcat tgattatgaa 180
 ctgattgacc aagatgctcg ggatctctat gacgctggag tgaagaggaa aggaactgat 240
 gttcccaagt ggatcagcat catgaccgag cggagcgtgc cccacctcca gaaagtattt 300

```

gataggtaca agagttacag cccttatgac atgttggaag gcatcaggaa agagggttaa 360
ggagacccgg aaaatgcttt cctgaacctg gttcagtgca ttcagaacaa gcccctgtat 420
tttgcctgac ggctgtatga ctccatgaag ggcangggga cgcgagataa ggtcctgac 480
agaatcatgg tctcccgcag t 501

```

<210> 1512

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 525

<223> n = A,T,C or G

<400> 1512

```

aaatgaccca aaactattaa taggtatatt aagcaataat tattaataaac agaagtgcta 60
catcacctgt ctttcgccct gactctccaa atgaacataa agacacacca aaaggctggg 120
aacagagcta gctgggacaa tcaactgcac tatagaacag ccaatacctt gaaaaactag 180
gcacaagtac atgaggaatt cttatcaaag atcatgcaca atccatgcca cttaaatggg 240
tttttagctga ggttttgctc atgttactct gaatttctaa ggacagatca gtgacctct 300
tagcctgagc agaaagcata ttcttccac tgcagtttcc tacacaattt agtcctgatt 360
agatgaggca ttatagcagc acctgaagta gagctccag aatccactgc ctttttcac 420
aaaggctatt tggttccacc ctccaggatt gcatactcac gagacatttc acaatcctaa 480
tgcatacttt aggttactta attaaccaag caatatgctc tgcnaagaa cttatttcaa 540
gtcaaagcaa aaaagg 556

```

<210> 1513

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1513

```

ccagtgcaga aacgtttaat agaaataaaa aggtctgcat agagccgagg ctccgagcca 60
cccctctgcc gcacatccag tacagagagg attctataaa gttcacactt tttcattaag 120
tagtagtaga aatacgggtga ggccctgaga ctggcctggg gagcgaggaa aggccgctgg 180
gcgcttccac tctgcaggcc ggggctgaaa taaccgaggt tccgttctca cagaaagggtg 240
cggtctgccac ctcttgacac agaggccgga tgggcagggt tcctcgatgg 290

```

<210> 1514

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1514

```

ctgtggggag aggcgcctc ctctgatggg gtctcgatgc tgctgctctg ttcttggtct 60
ggcacgtcct cctcttctct ctccaagctg aagttctacc tcgagtcctt gaaaaatctc 120
atccatgaag tcctgggagt tctgtttgta agacacagct aatcgaattg catcattgaa 180
gagcttcaca acattgggtac catcagcagc cgagacgaaa tacaggggca gggagaactt 240
cttggaacaa ttgaagcttt tttgggtcac gtttatgtct gcatcaattt tattggccag 300
gctggtcttg aactcctgac ctagtaatcc acctgcctcg gcctcccaaa gtgctgggat 360
tacaggcgtg agccactgca cccagccaga aatgccgtct aatctttggg ttatcttaat 420
tagccaggac acttggagtg catcccgaag t 451

```

<210> 1515
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 60, 103, 104, 129, 133, 260, 265, 266, 306, 313
 <223> n = A,T,C or G

<400> 1515
 ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acgggtctggn 60
 tctgcagctt tgaaaggtgg attctttcta ttagcacact tnnntaagag ggattgtaaa 120
 ggattaacnt cantcaccag aaacgaaaca ccacttcaga aattcagaga cctctgatca 180
 acagaacaga catttgggct ttaactgcta aagcagctac ctacttgggg aaaccatggc 240
 attctgctgc ctggacagcn ggaannaaga gagatttcag agttactggc acgaggacaa 300
 agcctntcag ctngct 316

<210> 1516
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 269, 293
 <223> n = A,T,C or G

<400> 1516
 ccatggcact ctgatcatgg ttatatccaa gaaagcataa aataaccaat gtccctgatat 60
 gcaatctgga tgtgcagcat ttacagcaaa caacataaaa agaaagaaag aagaatggaa 120
 aagtaaagaa gaaaaaaacc accacaaagt cccaaacctc agaaattaac attcacttaa 180
 gaacacagtg gtgaagactt ttggtagcaa aatttgcacg gttcttaaaa tgggagtcct 240
 naaaagtact tcttcaaatt caaaagctna gaaaaccaa gagggaacag ttncacaggc 300
 ttagtgagaga tgcc 314

<210> 1517
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 332, 354
 <223> n = A,T,C or G

<400> 1517
 aaagatttct gttaatttga aagaacaaaa acaagacaga acttctggta ctctaatacag 60
 gatgattcct aacaagtcag tcatttgtga acttagtgga ctttttggtt actttaattt 120
 gcatatattc tocagttaca tcggactcta tctgtggcct tgttcttcat ttcagtgtta 180
 atcagctaaa cagaagttgt tgcttatgat gtgtgagtga acatatgcc aatgcctggcc 240
 tttttttctt cagagcttgt tgtctttttc gctatattag actttgcagt atgccagaa 300
 gctttccttc ataaaataga aagaaanaaa cntttggctt atttttcact gtancta 357

<223> n = A,T,C or G

<400> 1521

```
ccggcgggtgg ggctggacgc aggtgcaact gacatgggtg aaccccaggg atccatgcgg 60
attctagtga cagggggctc tgggctggta ggcaaagcca tccagaaggt ggtagcagat 120
ggagctggac ttcctggaga ggactgggtg tttgtctcct ctaaagacgc cgatctcacg 180
gatacagcac agaccgcgc cctgtttgag aaggtccaac ccacacacgt catccatctt 240
gctgcaatgg tggggggcct gttccggaat atcaaataca atttggactt ctggaggaaa 300
aacgtgcaca tgaacgacaa cgtcctgcac tcggccttcg aggtggggcg ccgcaagggtg 360
gtgtcctgcc tgtccacctg tatcttcctt gacaagacga cctaccnnga tagatgagac 420
catgatccac aatggggcnc cccacaacag caattttggg tactcgtatg ccaagaggat 480
gatcgacgtg cg 492
```

<210> 1522

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 388, 389

<223> n = A,T,C or G

<400> 1522

```
ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgctttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta ttccggacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcatc atgaccgagc ggagcgtnnc ccacctccag aaagtatttg ataggtagaa 420
gagttacagc ccttatg 437
```

<210> 1523

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1523

```
ctgctgcagc tccccagggg ccagccccgc ctctgcgtct gggcttccat cccaagacca 60
ttcaccctcc gagttgctgc tgtcctcctc gccctcctcc tcgtcctctt catcgtcttc 120
caccccatgc cgagtgetca ggggcctcag tatccctctc tccgagaatc cctcgggtgtc 180
gtcctcttca gagctgttca ggtcaaagag gtcttttaaat tgcttctgt cctcatcctt 240
cctgtcagcc atcttccttc gtttgatctc agggaagttc aggtcttcca gccgtctttt 300
gccactgata tccag 315
```

<210> 1524

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1524

```
agcgggtgaa gaaattagaa gaagtggaaa ggaaaaaacg ccaaaggag ttggaaattg 60
aagaacgaga acggcgtaga gaggaagaga gaagacttgg cgatagttcc ctttctagaa 120
```



```
<210> 1525
<211> 413
<212> DNA
<213> Homo sapiens
```

```
<210> 1526
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<400> 1526
ccatgctggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtctgtcc 60
gctttcagga agacattatt tcaatatgga ataagactgc cagtgaccaa gcaaccacag 120
cccgaatccg ggacacactt cggcgagtgc ttaacctacc tcccaacacc attatggaat 180
acaaaactca caccgacagc atcaaaatgc caggcaggct gggcccccac aggctccttt 240
ttcaaaacct ctggaagccg cggttgaatg tgccatgacc ctctccctct ctggatggca 300
ccatcattga agctggcgtc atcggagtct cttgttctgt tggcgtgcta cctggaagat 360
ccttctgtcc tggacaagag gaattggaag agcattttat gtttaanga acaggctgac 420
acgcagcagc tacaacaaca g                                     441
```

```
<210> 1527
<211> 441
<212> DNA
<213> Homo sapiens
```

<210> 1528

```
<210> 1531
<211> 485
<212> DNA
<213> Homo sapiens
```


<210> 1535
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1535
 cgaaagggga gttcaaggag acggggggcga cgcggctgag ggcttctcgt cgggggtcggg 60
 gctgcagccg tcatgccggg gatagtggag ttgcccactc tagaggagct gaaagtagat 120
 gaggtgaaaa ttagttctgc tgtgcttaaa gctgcggccc atcactatgg agctcaatgt 180
 gataagccca acaaggagtt tatgctctgc cgctgggaag agaaagatcc gaggcggtgt 240
 ttagaggaag gcaaactggg caacaagtgt gctttggact tctttaggca gataaaacgc 300
 cactgtgcag agccttttac agaattattg acttgcattg attatactgg 350

<210> 1536
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1536
 ccacggcgct tggaatcctg gttgttgctg gatgctcttt tggatatctcc taatcgcaaa 60
 aaaagtgaca gcctgaagca gccacaaaat cctgtgttag aagcag 106

<210> 1537
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1537
 cctggtctcc acgagctccg tgtcctgggt ctggtcctcc ccatcccgtc gccaggtcag 60
 tgtgatctcc gcagggtaga agcccagggc ccagcacctc aggggtggcct catggtcaga 120
 gatggggtgg tgggtcataat gtgtcttggg ggggtccgtg cgctgcagcg tctccttccc 180
 gttctccagg tatctgcgga gccactccac gcacgtgcca tccaggtagg ctctcaactg 240
 ctccgcctca tgggcgcgct cccacttgcg ctgttgatc tgagccgcca tgtccgcgcg 300
 ggtccaagag cgcaggctct cgttcagggc gatgtaatcc ttgccgtcgt aggcgtcctg 360
 ccggtacccg cggaggaagc gcccgctccg cccacgctc cagccataca ttatctggat 420
 ggtgtgagaa ccggcctcgc tc 442

<210> 1538
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1538
 ctgaagagtc aacttggggc tggaggactg ataaagtgtg tgattttgag ggcctctaaa 60
 agtattaaag cagcagcagc cgctgcacgc agacatgagg gctaggctaa aacagtaagg 120
 tcaagttggt tggacagaaa ggctacaggg tgtggctcctg gctcttgtgt aagaattccg 180
 accacgctaa ccatgcctag gaaggaaaag agttgttgtt ttgtagaagg tgctgggggt 240
 tgagagatca gtcggacacg attggcaggg aaagcacgtg tgcttttacg agaattacgc 300

```

cgagataggt aacagatgag gaagaaatct gggcttgact gaagtaatgg gggctgtctg 360
tgaagctttg cagcagtaca gccaggttaa tttgctgagc ctanggggtg tcagggtcag 420
tct 423

```

```

<210> 1539
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<400> 1539
ccaccattat gtctgggtca aaggccaagg tccggaaaagc gctgcaatta gaagtggatc 60
ggtttgaaga actgaaaatg caaaacatga agaaagtgat tgaggcaatt cgagtggagc 120
tggttcagta ctgggaccag tgcttttata gccaggagca gagacaagct tttgcccctt 180
tctgtgctga ggactacaca gaaagtctgc tccagctcca cgatgctgag attgtgcggt 240
taaaaaacta ctatgaagtt cacaaggaac tctttgaagg tgtccagaag tgggaagaaa 300
cctggaggct tttcttagag tttgagagaa aagcttcaga tccaaatcga tttacaaacc 360
gaggaggaaa tcttctaata gaagaaaaac aacgagccaa gctccagaaa atgctgccca 420
agctggaaga agagttgaag gcacgaattg aattgtggga acagg 465

```

```

<210> 1540
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 138, 182, 183
<223> n = A,T,C or G

```

```

<400> 1540
acctctngat gtcaccatgg agacatcaag aggtcatgat tgcagaagag gtgactggaa 60
ttgaatgaca tgatccaggg gaggccggcc acaaatgcag taacatgacc aggatgggcc 120
ggtggggctg gtcaggtnac agtgtgaggg acagaacgga ccccttcact ctggcctcct 180
gnnggtctcc aggtgtgaca ggatccagcc cgctggcagg aggaaggta cgaagcagga 240
ggtaagccca acggccaatt ccatgatccc aagcttcccc tccggcggca acgaat 296

```

```

<210> 1541
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 75
<223> n = A,T,C or G

```

```

<400> 1541
tttttttttt tttttttttt ttttttngat gttaatgact ttactttgag atatgatgga 60
aaaatattac aggtncacat ggaaaagaca tgatcaccaa gtgaaaacaa tctaaccaga 120
aagctttaac atctgtcagt taa 143

```

```

<210> 1542
<211> 430
<212> DNA

```

<213> Homo sapiens

<400> 1542

```
ctgagagcac tgactcaggc ggggcaccct caccaagtaa gcagggggca ttcagcatgc 60
cctctgtgtc tgaccagag agaggggact gaaaataaac cctcttttgc tctgtggctg 120
gcccactggc tcaacatgag cgcttggtt ggctgtgcct catgagagag ggagggagag 180
agaggcttct tgggccagag atgtttctgg gagggtttgc cagccttgtc ttgagccatc 240
agtgtggcag gggagcacag ggggttaggt ggagacactg cggaggccac gtgaaagtgg 300
cagctagctc tactttcaaa agagaagcag tggttcagtg accctgagca ttctgtgtgc 360
aggagggagc tgcctggaca gcaagtcac actgcctctg aatacacaca aaggaggctg 420
cctgtccagg                                     430
```

<210> 1543

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207

<223> n = A,T,C or G

<400> 1543

```
ctggaagaac aattaagaat aatggatcag accttgaaag cattaatggc tgcagaggat 60
aagtactcgc agaaggaaga cagatatgag gaagagatca aggtcctttc cgacaagctg 120
aaggaggctg agactcgggc tgagtttgcg gagaggtcag taactaaatt ggagaaaagc 180
attgatgact tagaagagaa agtggcncat gccaaagaag aaaaccttag tatgcatcag 240
atgctggatc agactttact ggagttaaac aacatgtgaa aacctcctta gctgcgacca 300
cattctttcg tcttgttttg ttttgttttg ttttt                                     335
```

<210> 1544

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 397, 398

<223> n = A,T,C or G

<400> 1544

```
aaatttttaga aaacctgtat aaattactng tgcataactt aaagattatt ctgccttttg 60
ctaattgagt aattccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatct caccgcaatg agccttttct tttctacact gaagattttc ttcttattta 240
atgtggttta ttttggtctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtgggttt gatcgatata ttaggggtag ctcttgnntt ttgttaacat taagataagg 420
tgactttttc cccctgctt ttaggattaa aatcaaagat acttctatat ttttatcact 480
atagatcata gttattata                                     499
```

<210> 1545

<211> 95

<212> DNA

<213> Homo sapiens

<400> 1545

```
ctgcatgatg aagttcactg tcaaggactg tgatcccacc actggggaga ctgatgacga 60
aggctatgag gatgagtatg tgctggaaga tctggg                               95
```

<210> 1546

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1546

```
ccttgcgccct gctaggaagt ggcacatctt cctgctcagg gcaccaaggt gggttcagaaa 60
cgtttaaggac gagccacagc gaaaagccgc agtcctcaca ggcaagaagg gataaataaa 120
tatgaggtga cccgcagcag ctctcacctg ggctggtgtg tcacaaccct gaccaccccc 180
taaaaaaaaa aaaatcaaga agcaacatcc taaggagaac agggccctac tctacacagc 240
cctttctgag atgatcggca tacagcaggt gatgcaggct gcacactcag cagattcagc 300
ggctggaaac agcaagtggg tttcttcgga tgaaagggaa gaattcagtc caactgcagg 360
aggggtggga gaggttcagc atcctgggaa ccacatcacc agacctcggc cctttttgcc 420
aagtgacccc caccaccacc tgatgtgggc tacagggccc                               460
```

<210> 1547

<211> 476

<212> DNA

<213> Homo sapiens

<400> 1547

```
ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgcctctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt cottaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctageccaaca tcgtgaaacc ccatctctac taaaaataca 240
aaaatgagct gggcttgggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccccg gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaac       476
```

<210> 1548

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1548

```
ctggaacaga tgctcactgc gctggaccag atgcggagaa gcatcgtgag tgagctggcg 60
gggcttttgt cagcgatgga gtacgtgcag aaaactctca cggacgagga gctggctgac 120
tggaagaggc ggcaacagat tgcoctgcatt ggaggcccg ccaacatctg cctagatcgg 180
ctagaaaact ggataacgtc attagcagaa tctcaacttc agaccctgca acaaattaag 240
aaactggagg agttgcagca aaaagtttcc tacaaagggg accccattgt acagaccggg 300
ccgatgctgg aggaga                               316
```

<210> 1549

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1549

```

aaaatatttt agataattct taaactatga acctttcttaa catcaactgtc ttgccagatt 60
accgacactg tcacttgacc aatactgacc ctctttacct cgcccacgog gacacacgcc 120
tcctgtagtc gctttgcta ttgatgttcc tttgggtctg tg 162

```

<210> 1550

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1550

```

ctgtgccggg tggaggagat gcgccagtcc ctgagaatta tcgcacagtg tctaaacaag 60
atgcctcctg gggagatcaa ggttgatgat gccaaagtgt ctccacctaa gcgagcagag 120
atgaagactt ccatggagtc a 141

```

<210> 1551

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1551

```

aaaaaaaaa accacaaaaa aaaatcaatt ggctaaaaaa aaaaaagtat taaaaacgaa 60
ttggctgaga aacaattggc aaaataaagg aatttggcac tccccacccc cctctttctc 120
ttctcccttg gactttgagt caaattggcc tggacttgag tccctgaacc agcaaagaga 180
aaagaagggc cccagaaatc acaggtgggc acgtcgtctc taccgccatc tcccttctca 240
cggaattttt cagggtaaac tgg 263

```

<210> 1552

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1552

```

ctcttttata aagctgatgt tctgagcgaa gaagcaatac tgaaatggta taaggaagca 60
catgttgcta aaggcaaaag tgtttttctt gaccagatga agaaatttgt tgagtgggta 120
caaatgcag aagaagaatc cgaatcggaa ggtgaggaaa attaaatggc tcaacaagca 180
caatacctag gttaccacac accacttttt gattgggaat gctgaaccat ttgagaagag 240
aaacttggct tctgttttctg caaaggaaaa aaaaaatagg ataggcttcc cttgtgcaga 300
gggagaaatg gctttgtttt tgttttgttt tt 332

```

<210> 1553

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 365

<223> n = A,T,C or G

<400> 1553

```

ttttttttt ttttttttat gtgttgctgt gcaggtagag gcttactaga agtgtgaaaa 60
cgtaggcttg gattaaggcg acagcgattt ctaggatagt cagtagaatt agaattgtga 120
agatgataag tgtagaggga aggttaatgg ttgatattgc taggggtggcg cttccaatta 180

```


<400>	1557					
ctgcagcctg	ggactgaccg	ggaggetctg	accatttacc	caccacaggt	aggttgtgtt	60
ctgaacctca	ggttcacagg	tgaaggccac	agcatccttg	tcctccacgg	ggttggagtt	120
gttgctggag	atggagggct	tgggcagetc	cgggtataca	tggaaactgtc	cggttgcttc	180
ttcattcaca	agatctgact	ttatgacttg	tagggtatag	aatcctgtgt	cattctgggt	240
gacgtttctg	atcagcaggg	atgcattggg	gtatattgtc	tctcgaccac	tgtatgcggg	300
ccctggggta	gcttggttag	ttcctattac	atatactaca	attagactgt	tgccatccac	360
tctttcgcct	ttgtaccag					379

<400> 1561
ctgatttcagc accttcgtct ggctgggtctc tcggatttcg ccagccagga acatctcgtc 60

```

cacgaccgtg taaaccttgt agaagttgaa caccaggtcc agttcacaga cattgtggaa 120
atattcgttt aagacctcca cgaagttgtg aatggcctcc aggtaagcca ggttgttgtc 180
attgacatcc acacagatgc agaagtagag gccagcatag cggcggtaaa tgatcttaaa 240
gttccggaac tccacaaagt tgggtgtgtt ggcggtctcg acggtgacca cggcatgcac 300
ctcctc                                     306

```

```

<210> 1562
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 236
<223> n = A,T,C or G

```

```

<400> 1562
aaaagcttaa aacagaaaca gccatttatt tgctcatgat tctgtaactt gggcagggct 60
tggcagggctc agctagtctt tgctgaggtg acttgactgg ggctaaagat gcaagatggc 120
ttcaccacgc ttctcagttg ggggctggcg tggctggaag acagcaggcc ctccctttt 180
ccttttagagt ctctcatcct ccagggcctc attttcttca ggtgctatct ctctcntgca 240
gcacaaactt ctttacatca cagctgtgcc tttggagctg gacatccagg tacctggctg 300
cctgctggga acaggtgagt atgtatcagc cattgtgaag cctcaaaagg ctgcagcctg 360
acgtagctgc agatcaggct gtaccctaat tgcattgtta ctgatgaaat aatttttt 418

```

```

<210> 1563
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 1563
ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgcc cctgcagagt caacaggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaa aggcatcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaattgct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttt 389

```

```

<210> 1564
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<400> 1564
aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagat ttgggcaaat aatctgcata cttttaattg ggaataagat ggaaaatatg 180
aatgctaaat caaatttttt                                     200

```

```

<210> 1565
<211> 514
<212> DNA
<213> Homo sapiens

```

<400> 1568

```

gacctgccccg tgaagaggcg ggcatgacac agcaagacga gaagacccta tggagcttta 60
atttattaat gcaaacagta cctaacaaac ccacaggtoe taaactacca aacctgcatt 120
aaaaatttcg gttggggcga cctcggagca gaacccaacc tccgagcagt acatgctaag 180
acttcaccag tcaaagcgaa ctactatact caattgatcc aataacttga ccaacggaac 240
aagttaccct agggataaca gcgcaatcct attctagagt ccataatcaac aatagggttt 300
acgacctcga tgttgatca ggacatccca atggtgcagc cgctattaaa ggttcgtttg 360
ttcaacgatt aaagtcctac gtgatctgag ttcagaccgg agtaatccag gtcggtttct 420
atctacttca aattcctccc tgtacgaaag ga 452

```

<210> 1569

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438

<223> n = A,T,C or G

<400> 1569

```

ccagtgaagg caccaacatc ccaagtccgt tgggtgcgcca gattgacaag cagttttctga 60
tttgacgtat atgcctggaa cggtagaaga atcccaagggt tctccctgt ctgcacactt 120
tctgtgagag gtgcctgcag aactacattc ctgcccacag ttttaacctc tctgcccag 180
tgtaccgcca gacctccatc ctgcccagaga aaggggtggc cgcgctccag aacaatttct 240
tcatacaaaa cctgatggac gtgctgcagc gaactccagg cagcaacgct gaggagtctt 300
ccatcctgga gacagtcact gctgtggctg cgggaaagcc tctctcttgc ccaaaccacg 360
atgggaatgt gatggaattt tactgccagt cctgtgagac tgccatgtgt cgggagtgca 420
cggaggggga gcacgcana g caccacacag ttccactcaa ggatgtggtg gaacagcac 479

```

<210> 1570

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1570

```

aaaataaaga ggcgccaata cccgttcatt tatgtattag aagtctcgta taatcaccaa 60
taaaacagaa atagcatctg tgatcacaca acggagaaaa aagatcaaga gacaacctta 120
gccactgtaa aactgtactt gaacactcag atgctctggc taagtcagaa tctaaagatt 180
tgctaataag gttttatttg tttagcatag tcccatggcc tttgtctata actgatattg 240
ggaaaccgtt cccaaggaaa tttaagaaac cattctgaaa ttctgccttt gatgtacatt 300
ataattaaat gtgactgtta taaacgttgc ctctatcata ttatcttttg taaagtggag 360
gcaaagagag acaaaaaagca tcctcctgga ctgctgacat gcagaaagca tcagcaatga 420
tagggttgtg acagcattta tggagtttct agggcagggg ggacagaatg ctgtatctca 480
gcatcttttg ttaaggtctg gcctc 505

```

<210> 1571

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1571

```

ctgagtacaa gggtatcact gtgatagaac ctggactgct ttttgagata atagagatgc 60
tgcagtctga agagacttcc agcacctctc agttgaatga attaattgatg gcttctgagt 120
caactttact ggctcaggaa ccacgagaga tgactgcaga tgtaatcgag cttaaaggga 180

```

```

aattcctcat ccaacttagaa ggtggtgata ttogtgaaga gtcttcctat aaagtaattg 240
tcatgccgac tacgaaagaa aaatgcccc gttgttgga gtatacagcg gagtcttcag 300
atacactgtg tcctcgatgt gcagaagttg tcagtgga aaatgattaa cagctcactc 360
gagcaagaac cctcctgaca gtactggcta gaagtttgga tggattattt acaatatagg 420
aaagaaagcc aagatttagg taatgagtg atgagtaa atgagtaa ggtggagga 469

```

```

<210> 1572
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 1572
ccacaaacac ctctcggcgg ccaggctgtt tcagtcgacc acggcacact tccccaaatt 60
cccctgcagg gcacagggca caagctatga ctcaactcctg taccagccc gcctcagctt 120
ctcatctcta ctgtgcccc ggagactcac cagctccgat cacctcctcg atcttgacgc 180
aggacacgtc gatctccttg gcaaaactccc gaacagcctc attaggggtcc tcgtaggtaa 240
aaggggtcaat ataaaccttc attccaggag caactggagg gagaagagg gggcgtgaga 300
gggtaacgtc aagccagcct ctccctgcga tgggcacagc tccagcaggc tccctgctga 360
g 361

```

```

<210> 1573
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 202, 208, 232, 234, 273
<223> n = A,T,C or G

```

```

<400> 1573
ttgtacaagc tttttttttt tttttttttt ttttttttat ctcatgcgtt coattttattt 60
tgtctctcaa attttaggaa tcttctcctt taattaactc atcaacctct catggcaaga 120
atgtgagaaa gtaaatttat actcaggttc taattttaat agggaaggaa gaagttacag 180
ctcagtcac catgaagttg anacaganat ggagacacct cagccccacc tntntggaac 240
aggaaagatg attggggagg gagcacaggt cancgtggga agaggggtcat ggtgg 295

```

```

<210> 1574
<211> 547
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G

```

```

<400> 1574
cgacattcca gaaaatgtcg acattactct gaagggacgc acagttatcg tggagggccc 60
cagaggaacc ctgoggaggg acttcaatca catcaatgta gaactcagcc ttcttgga 120
gaaaaaaaaag aggtccggg ttgacaaatg gtggggtaac agaaaggaac tggctaccgt 180
tcggactatt tgtagtcatg tacagaacat gatcaagggt gttacactgg gcttcggtta 240
caagatgagg tctgtgtatg ctcaactccc catcaacgtt gttatccagg agaatgggtc 300
tcttgtgaa atccgaaatt tcttggtgga aaaatacatc cgcagggttc ggtatgagacc 360

```

aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 420
cattgagctt gtttcaaatt cagcggtttt gattcagcaa gccacaacag ttnaaaacaa 480
ggatatcagg aaatttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 540
tgatgaa 547

<210> 1575

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1575

ccacatcatg tcacttacac ccacaacagc tctgaaagga gtatttgatg aacacatctg 60
agccaagagc ccagagtctc tctccaaggc catgcagttt gttcactgat gggacagtcc 120
ctcaaaacag ccacgctaag tagacagata cagtctcccc aaatgttacc aatcttactc 180
cccttgaaaa caggcagagt gaagtgcaat gaaagacaag ttaattaaaa agccactcac 240
aactggcagt aaattttaat gattgataaa atgcttaaaa taattttatg tatcagaaac 300
aaggaacagc ttgttacttt ttcaatgatc tcaggaattt tgcagacaca aaatctccat 360
tattcagctc cattt 375

<210> 1576

<211> 440

<212> DNA

<213> Homo sapiens

<400> 1576

ccaatgcagc agggacatct gcctgggaag gaagttagga tgcccatag gtcaccagca 60
ccaccatcat gaacagggac agtaactcca gccctggccg aaatgaaatc cacatggaaa 120
tccaaatgca agaccacag taccaagatt tggatcatgt attgatccca gattcctcaa 180
atgaagactg ggctgtcagg catgtgtatc ccaaataat gctatgtcat gccctgcccc 240
aagtgaactg gagtagactt ttccaagccc caaagatttg tcaagttact catttcatca 300
tccctcgagg taccttatga ataccttttt ttttcttttt tttgagatga agtctcgctc 360
tgtcgcccag gctggagtgc agtggcgtga tctcggctca ctgcaacctc cgtctcccgg 420
gttcgcgcca ttctctgcc 440

<210> 1577

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1577

ctgctggaat catataggtc attaaccttt ggctatatgg cagaagcgtt tgggtgttgg 60
gtggaattca ttgatcagga actgtccagg ttatttgctg ccgggagact acactgcaaa 120
atagataaag tgaatgaaat agtagaaacc aacagacctg atagcaagaa ctggcagtac 180
caagaaacta tcaagaaagg agatctgcta ctaaacagag ttcaaaaact ttccagagta 240
attaatatgt aaagccatgt aactaacaaa ggatttgctt tagagataat tatttggaat 300
ttttatagct tacttcacaa tgtgcccgagg tcagtggaat ttattatttt aacctctgaa 360
aacactgacc aaatcaagcc tcatatTTTT aagtgtctaca tataaccttc accagtgtga 420
tttacataaa tatttcctat gttatagatc atgaaaatat aaaaataagc tagg 474

<210> 1578

<211> 374

<212> DNA

<213> Homo sapiens

```

<400> 1578
aaagaagaga aaaacacctt gagccttaaa acggtgctgc tgggaaacat ttgcaactctt 60
ttagtgcatt tcctcctgcc tttgcttggt cactgcagtc ttaagaaaga ggtaaaaggc 120
aagcaaagga gatgaaatct gttctgggaa tgtttcagca gccataaagt gcccagacac 180
actgcccccg gttgcctgcc tgggccccat gtggaaggca gatgcctgct cgctctgtca 240
cctgtgcctc tcagaacacc agcagttaac cttcaagaca ttccacttgc taaaattatt 300
tattttgtaa ggagagggtt taattaaaac aaaaaaaat tctttttttt tttttttcca 360
attttacctt cttt 374

```

```

<210> 1579
<211> 397
<212> DNA
<213> Homo sapiens

```

```

<400> 1579
aaaaatctca tccttggtta ggcacggtgg ctcacatctg taatcccatc actttgggag 60
gccaaaggcag gcggatcaag aggtcaggag tttgagacca gcccgaccaa catggtgaaa 120
ccctgtctct actaaaaaca caaaaattag ccaggcatgg tggcacgcac ccgcaatccc 180
agctactcag gagactgagg caggagaatg gcttgaaccc gggaggcgga gggttacagt 240
agccaagatc ataccactgc actccagcct gggtagacaga gcgagactcc gtctcaaaga 300
aaaaataaaa ataaaaaac tgaaaaggcc aggtgtggtg gctcatgcct ataatccag 360
cactttggga ggccgaggtg ggtggatcat tttgagc 397

```

```

<210> 1580
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 490, 511
<223> n = A,T,C or G

```

```

<400> 1580
aaacattgca aattgaccag ctagctatgg aagcataaaa ttaattgata attaattgtt 60
gaaatacatt tctaaaattt atatttttat ggtgttagcc tgtaagagca ttttagcata 120
ttgaaatgca tgetgcttaa gatgtgtctg gttcaaata caaaacttgc tgggtcattt 180
ttacatagta gaaacatact gtctatgtgt tgcccaatta ctgtttgtcc actctgaatt 240
ctggaccctt tttggactaa gaattagtta aattcatgaa ctaagagaat tagagatggg 300
gtagagtagg atcaggacag tggggttaca acagatagga aaggaaagtc agcatttgag 360
tgtagagaaa aaaaggggat catacagatg tcatcaaatt ataggcttta atacaggttg 420
ctttttttta tccaaaagga aaagcactta tcctatcaga atgtctacca tgttttatag 480
taataatttn tgtaaaaaat tgaatttttg natagttttt tgtattttt 529

```

```

<210> 1581
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<400> 1581
gcgcctctcc gaacgcaaca tgaagggtgct ccttgccgcc gccctcatog cgggggtccgt 60
cttcttctct ctgctgccgg gacettctgc ggccgatgag aagaagaagg ggcccaaagt 120
caccgtcaag gtgtattttg acctacgaat tggagatgaa gatgtaggcc ggggtgatctt 180
tggtctcttc ggaaagactg ttccaaaaac agtggataat tttgtggcct tagctacagg 240

```



```

agagaaagga tttggctaca aaaacagcaa attccatcgt gtaatcaagg acttcatgat 300
ccagggcgga gacttcacca ggggagatgg cacaggagga aagagcatct acggtgagcg 360
cttccccgat gagaacttca aactgaagca cta 393

```

```

<210> 1582
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<400> 1582
ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgatg 60
agtagttgag aacggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
gcctaattgg tgtcagggtc agtctaagtg aaggcaaaga gaggctggga tgaaggggtgc 240
aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
ggtattgagg ataggag 317

```

```

<210> 1583
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 174
<223> n = A,T,C or G

```

```

<400> 1583
ccacatcggc agggctcgag ccctggccgc catactcgaa ctggaatcca tcggatcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgnagaaga 180
ctttgatggc atccagggtt cagccttggt tggggccaat ccagtactct ccactcttcc 240
agtcagagtg gcacatcttg aggtcacggc ag 272

```

```

<210> 1584
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 1584
ctgcaggtag acgtgatctt tctcagggcc acagcctctt ccttctcgga tctccagagt 60
catggaccga gacaccacat ctctagacgc caggtccttc gcgacagggg cgtatcgctc 120
cataaacctt tcgccttgac tgttaatgag aatgcctccc tctccacgac atccttccgt 180
aatgagacaa ccagcaccat atatgcctgt ggggtggaac tgaacaaact ctaggtcctg 240
gcaagggaag 250

```

```

<210> 1585
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<400> 1585
aaaaacaaaa ggttgatata ctataaaata agatgcttca gtgcagctcc aaaaaccttt 60
ataaatacag ccatttggaa ggaagatcct ggatcagaaa ttattccttg tgtatctata 120

```

```

ttatgtgcat gtctcatttc agttgtcata attgtctctg taatttcctc ctgagtagcg 180
gtcataacca ccctgggttc tgccattata gtctctggaa cgtccatata catatccata 240
ccctccaggt cgactgtcat aatacctgcc actcccatag ccctgggtccc caccacctct 300
agagtagctg cgaccacgcc catgggcccc aaagccacct cctctgggtc cccgagcaga 360
cttgccctgca tgatccacac ggatctgacg accatccaga gactctccgt tcatggctct 420
catggcaa 428

```

<210> 1586

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1586

```

aaaagatcca ggtggaaata tttttaactat agtaataatt ctacaaaata cctgaattct 60
taacactgtt atatttcagt ataagtgggtg gctttttctt ttcattgtctt tgatctgggt 120
ttattcctgt aattcagcca cctgattttg tgagggggggg gaataatatg tggtttttgt 180
acaaacatgt ttctcagtgt gttgttattt tggaaaaaat gaggggaggg agtttggcaa 240
gaatggagaa aatgaatgaa gaagg 265

```

<210> 1587

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1587

```

ctgcccttgt ctaggaaggc tcatgctttg cttcaatgaa gcgaggagac cacagaaata 60
cccattggctg tggggctgtg accagcagtg gctgattagg gtggaaactg gaaagcgtoa 120
ctgtctcagc agaagaaaagc aggacccac acagcctggg gaacggctgc caccacacgc 180
ctcgggtgaag accacggccc tggcgaggcc ccaaggtgct tctgagagat gaacgagaca 240
cctcagtcac ggcacactgg gtgggtgtgt tccctccaa gtcctgtctt tgttttacac 300
agtcatatga aagacataac ccattgccc aatcaagcc tggag 345

```

<210> 1588

<211> 441

<212> DNA

<213> Homo sapiens

<400> 1588

```

gaggaagggt gcaagatggt gttggaaagc actatgggtg gtgtggacaa cagtgagtat 60
atgcggaatg gagacttctt acccaccagg ctgcaggccc agcaggatgc tgtcaacata 120
gtttgtcatt caaagacccg cagcaaccct gagaacaacg tgggccttat cacttggt 180
aatgactgtg aagtgtctgac cacactcacc ccagacactg gccgtatcct gtccaagcta 240
catactgtcc aacccaaggg caagatcacc ttctgcacgg gcatccgctg ggcccatctg 300
gctctgaagc accgacaagg caagaatcac aagatgcgca tcattgcctt tgtgggaagc 360
ccagtggagg acaatgagaa ggatctgggt aaactggcta aacgcctcaa gaaggagaaa 420
gtaaatgttg acattatcaa t 441

```

<210> 1589

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1589

```

ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60

```

cgacgaagga	gtaggtggtg	ggatctcacc	gtgggtccga	ttagcctttt	ctctgccttg	60
cttgcttgag	cttcagcgga	attcgaaatg	gctggcggtg	aggctggaaa	ggactccgga	120
aaggccaaga	caaaggcgtt	ttcccgctcg	cagagagccg	gcttgcagtt	cccagtgggc	180
cgtattcatc	gacacctaaa	atctaggacg	accagtcatg	gacgtgtggg	cgcgactgcc	240
gctgtgcaca	gcgcagccat	cctggagtag	ctcaccgcag	aggtacttga	actggcagga	300

```
<210> 1593
<211> 554
<212> DNA
<213> Homo sapiens
```

```
<210> 1594
<211> 518
<212> DNA
<213> Homo sapiens
```

```
<210> 1595
<211> 500
<212> DNA
<213> Homo sapiens
```

<400> 1595						
ccagtaaaat	actattgctt	catattgtcc	tctgcaagct	tcttgctgat	cagagttcct	60
cctacttaca	accagggtg	tgaacatgtt	ctccattttc	aagctggaag	aagtgagcag	120
tgttggagtg	aggacctgta	aggcaggccc	attcagagct	atgggtgcttg	ctggtgcctg	180
ccaccttcaa	gttctggacc	tgggcatgac	atcctttctt	ttaatgatgc	catggcaact	240
tagagattgc	atttttatta	aagcattttc	taccagcaaa	gcaaatgttg	ggaaagtatt	300
tactttttcg	gtttcaaagt	gatagaaaag	tgtggcttgg	gcattgaaag	aggtaaaatt	360
ctctagattt	attagtccta	attcaatcct	acttttctga	cacaaaaaat	gatgcacatc	420
aatgtatttt	atcttatttt	ctcaatctcc	tctctctttc	ctccacccat	aataagagaa	480
tgttcttact	cacaacttcag					500

<210> 1596
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1596
 ccatccgctt cctgaatgct gagaatgcac agaaattcaa aacaaagttt gaagaatgca 60
 ggaaagagat cgaagagaga gaaaagaaag gatcaggcaa aaacaatcat gccgaaaaag 120
 tggcagaaaa gcttgaaggt ctctcagtga aggaggagac caaggaggat gctgaggaga 180
 aacaataaat cgtcttattt tatttccttt tctctctttt cctttccttt tttt 234

<210> 1597
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1597
 ccaaccttcc tgtgcccagc ctgcagacag gtggcctctg gtggttccag gatctcacgg 60
 tatccgatcc catctacata ttaccactgg cagtcaactgc tacaatgtgg gctgttcttg 120
 agctaggtgc tgagacaggt gtgcaaagtt ctgaccttca gtggatgaga aatgtcatca 180
 gaatgatgcc cctgataacc ttgcccataa ccatgcattt cccacaggca gtgtttatgt 240
 actggtcttc ctccaatttg ttttccttgg tccaagtatc ctgtctccgg attccagcag 300
 tacgcactgt acttaaaatc cccagcgtg ttgtacatga cctggacaaa ttacctccac 360
 gggaaggcct cctagagagc ttcaaaaaag gctggaaaaa tgctgaaatg acgcgtcag 419

<210> 1598
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1598
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtag ctacttgccg t 291

<210> 1599
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 1599
 aaaccttttt ggcttaaaca gaatttttagc atcagaacta gctttctggg attggaggca 60
 aaccatcaag gtggtccctc tccagtctgg acacgatgcc agcaaggatg acgtcctgcc 120
 acctcctgga gttaccctgg cctcctaggg tccctttttc tgatgaagtc ttaattccct 180
 aaaagcgctt ctttggacac tgaggccctc tctgcctttc ctggcctccg gcaacagttt 240
 tttacaaaga ttttttgcag tcgagtccat atgtccaccc attgattttt 290

<210> 1600
 <211> 294
 <212> DNA
 <213> Homo sapiens

```
<210> 1601
<211> 435
<212> DNA
<213> Homo sapiens
```

<400> 1601						
tttttttttt	ttttttttgt	tttttttttt	ttaattcttc	agctaaaaca	gcggaagagg	60
tgatttatta	tatggttggt	acactcggcc	acaaataaac	acagaaatag	tccagaatgt	120
cacaggtcca	gggcagagga	ccaacatggg	cattttgttt	atgagcaagg	nggggtctcan	180
agggtgatcg	cgatcanagg	gcgatgaagt	tctanatcca	ttgagacaag	ctctagacag	240
tagcatgcag	tcccacaact	tgtaccagca	tccccagcgt	ctggcattcc	atgtttctgc	300
tcctgtggcc	tccacggtgc	aacaagctag	cggtttactt	ggacctctgc	ctcatctttc	360
ttcttttgcg	cttcancctg	cgcattcget	tcttctctcca	cttngctctc	atggcgggcan	420
aggtttccaa	aaaaa					435

```
<210> 1602
<211> 319
<212> DNA
<213> Homo sapiens
```

<400> 1602						
gacgctctca	gctctcggcg	cacggcccag	cttccttcaa	aatgtctact	gttcacgaaa	60
tcctgtgcaa	gctcagcttg	gaggggtgatc	actctacacc	cccaagtgca	tatgggtctg	120
tcaaagccta	tactaacttt	gatgctgagc	gggatgcttt	gaacattgaa	acagccatca	180
agaccaaagg	tgtggatgag	gtcaccattg	tcaacatttt	gaccaaccgc	agcaatgcac	240
agagacagga	tattgccttc	gcctaccaga	gaaggaccaa	aaagggaactt	gcacagcac	300
tgaagtcagc	cttatctgg					319

```
<210> 1603
<211> 309
<212> DNA
<213> Homo sapiens
```

```
<400> 1603
ctgcctgggc ccggaagggc tttggttctt tctctgggtc tgattttctc actgaactcc 60
accgaccaac tgccctaagc cccaggggcc tccagggccc aggttcgaga cccaaacccc 120
caaaatccaa aacttctctt gaaaagtcca gggaccgtcc aggggagatg gggaggagat 180
atggagttag tcacctgttc cagaagatgc cagcttctct ctccagggtg cttagttagc 240
tttgcccacc cctcactccc cagggagctc tggggacagc ttctcacac ccctgtccca 300
cccacacag                                     309
```

<210> 1604

<400> 1607
cacaaagcca gggccaggct ccccatccct acctcccact gcatcagcag tgggtgttcc 60

```
<210> 1608
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<210> 1609
<211> 368
<212> DNA
<213> Homo sapiens
```

```
<210> 1610
<211> 207
<212> DNA
<213> Homo sapiens
```

```
<210> 1611
<211> 460
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 427
<223> n = A,T,C or G
```



```

<400> 1611
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg gggggtggta tggagagata atgggcatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgcgtatag 240
aatgattggg gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagatac 300
aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
ttacttnaag agttaagagt ggcagtttgg ggatagcacc 460

```

<210> 1612

<211> 133

<212> DNA

<213> Homo sapiens

```

<400> 1612
aaaatgtgaa ccttcaggta ttgagtaaca cctttatctt ggtatagaac tgatactttt 60
ttttgatttt gaaatatctg ataataattt ggaatgaagt aagggttctgt taaaatatat 120
ttgaagaccc ttt 133

```

<210> 1613

<211> 524

<212> DNA

<213> Homo sapiens

```

<400> 1613
cctagcagag aatcaccaaa tttatggaga gttaacaggg gtttaacagg aaggaagtgc 60
ctttagtaag ttctcaagcc agaggctgga ggcagcagct aaatcagagg acagcatcct 120
cagtgaaggt gagccattcg ggtggcatg tcaactccagg aataaacaca acttagaaac 180
aaatgatttc gtaggatagc acagtgacat ggtgcaactgt gaacctgagg ccactgtgtc 240
aaactgtgca ctggttgtga atagggagag ccaaaaatta tgtcctactg gtaatgagct 300
ttcaatggct cgatcctctc acactgaagc tctgtagagc agctcagagc cacaaccact 360
cccaacattg acccttcttg gggtagctgt ctgtggcagc ccacaggaag gagctggaga 420
tccccattag gactgtccac ccacacttga agccacaaaa ctgcagggat tggggctctc 480
actggttttg tgcctaact cccgcctaaa aggccacaaa tttc 524

```

<210> 1614

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 381, 391

<223> n = A,T,C or G

```

<400> 1614
ctggataagg acatcaatac cttctctatg cgtgtcaggg agtggtacgg gtatcacttt 60
ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
ggaaaccgaa ggggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
ggggccaagg ctaaggctat tctggatgcc tcacggctct ccatgggcat ggacatatct 240
gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtctt atctgaatac 300
cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
gccctaattg ggggaagcggg nggtgcacgt nttatcgcac atgctggcag 410

```

<210> 1615
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1615
 ctgttgtgaa aagatgaagc aaaggaggca agaaaatgct taatttagca gacaagagaa 60
 tggacagtgt gatccttggt tgtgctagcc attgggtgat gcaccac 107

<210> 1616
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 129, 133, 221, 255, 346, 389
 <223> n = A,T,C or G

<400> 1616
 aaattnttgt ttaacttttt ttttttttga gacagagtct cactctgttg cctaggctgg 60
 aggacagtgg cacaatcatg gctgattgca gccttgacct ccttgactca attgacctc 120
 ccatctcanc ctnccaagta gctagggcta cagacatgtg caaccatggt tggctaattt 180
 ttttaattgt tttttgtaga gatgaggtct tattatattg nccaggctgg tcttgaattc 240
 ctgggctcaa gcttnccaag tagctgcaac aacaggcaca caccaccatg ctcaactaat 300
 tttatttcta ttttttgtat agacaggggc ttgctatagt gtccangctg gtctgaaacc 360
 cttgagctca agtgatcttc ccacaccanc ctcccaaaat actgggatta caggcttgag 420
 cctccatgcc tggcccagggt aacatgttta ttgagct 457

<210> 1617
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 1617
 aaacattaga aagtgggaaa aaaaattcca ttttcttgct attataagcc aaaacaaaat 60
 ctagtgtaag tcaaggaaac tcattcacac ttcaggctct tctcctccag gaaccagcat 120
 tggtatatta tttccattta gcaaaatctg atctaattta gtaatccttc ttccttctgg 180
 tgtgatttca aactcagtga catcttccag taccatattg acaaagtcac caaatcctag 240
 aagagtacca acaatttcct tatcactctt catcacgatg tgaattcttg atcctataca 300
 tttgtccaca agctctaacg gcagcag 327

<210> 1618
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1618
 ctgagccagg ccgaaggacc tccatgcact ggctcggggg cctctctcgg gacactcagc 60
 actttctcta ggcctctcca tctcactggg cagaggacag cccggaagcc tttttcactt 120
 tttcaaagta aactgctatc ttaagacaca aaaacatact tgtgggg 167

<210> 1619

<211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 480
 <223> n = A,T,C or G

<400> 1619
 ccaggcacga tctcgggtca tggcaacctc tgcctcccgg gttcaagcga ttctcctgtc 60
 tcagcctccc gagtagctgg gactacaggc gccaccacc acaccagct aaattttgta 120
 tttttagtag agatggggtt tcaccatatt ggtcaggctg gtctcgaact cctgatctca 180
 ggtgatccgc ccaccttggc ctcccaaagt gctgggatga caggcgtaag ccaccaagcc 240
 cagcgaagac tgcatitcaa aattgctcta caattaaaga aatgcaacta tagtcttaaa 300
 aaatgaagtt gggggaaacc cagtgtgcct aaaagtacca tctatactgc tgacaccatg 360
 tcctgttcca ttttactagt ttttattggc gcacactggc aatttagtcc cagtcagtta 420
 ccaccaaatt agtatttctt ggtatattat cttttttttt cttttttttt tttttctgan 480
 acacagtctt gcacctgc 498

<210> 1620
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192
 <223> n = A,T,C or G

<400> 1620
 cctgctagaa tcaactgccgc tgtgtcttctg tggaaatgac agttccttgt tttttttggt 60
 tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
 acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180
 ttgaagtctg gntttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240
 actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
 acttt 305

<210> 1621
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1621
 ccaccggtc tgctggcctg gatctcccca ctctaggggt caggctccat taggatttgc 60
 cccctcccat ctcttccctac ccaaccactc aaattaatct ttctttacct gagaccagtt 120
 gggagcaact gagtgcaggg aggagagggg aagggccagt ctgggctgcc gggttctagt 180
 ctcttttgca ctgagggccca cactattacc atgagaagag ggcctgtggg agcctgcaaa 240
 ctcaactgctc aagaagacat ggagactcct gccctgttgt gtatagatgc aagatattta 300
 tatatatatt tggttgtcaa tattaataac agacactaag ttatagcaaa aaaa 354

<210> 1622
 <211> 498
 <212> DNA

<213> Homo sapiens

<400> 1622

```

ttgccttgca ctgtgggttac cataaaataa ctctcattgg catccaagct ttataaaaaac 60
atcttcattt tgctcaaaaaa gggcagtcaa tagatacaga gaagccaaac tgaacagcct 120
caataaaaata aaattaacac cagcagcgaa tcctcttgct gaagacttcg gctagagggc 180
acgtgcacca aagttctagg ctgttaaggg gccacccaca caccgtcctc gccttgaaca 240
caccagcttg gaaatcagtt atggatttta atggcctttt caaggtaagt gtagcgactc 300
ctctttgggg ctttgttgaa gtggtcgagc cctagccaag gccgaggatg agacatatta 360
ccgggctgtg gctcaaagtc ttccaaattt acttcatact cgtcttcatt tatgtactgg 420
tgtcggccca tcattacaat tgcaaattta aacttctcaa actccttctc ctggatgtcc 480
agcaggctct ggattcgc                                498

```

<210> 1623

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1623

```

ccaaggaccg caagagccgc aagaagcctg tggaggtgaa gaagggcaaa gaccccaatg 60
cccccaagag gcccatgtct gcatacatgc tgtggtcaca tgccagccga gagaagatca 120
agtcagacca tcctggcatc agcatcacgg atctttccaa gaaggcaggc gagatctgga 180
agggaatgtc caaagag                                197

```

<210> 1624

<211> 489

<212> DNA

<213> Homo sapiens

<400> 1624

```

aaaaaaaggc ccccagggca agttatttac agtttaattg ccaactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagacctc ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcgggcta cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgtgcctt caattaattt tattttctc ccattttatt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgat ccgcaaactg tacttcccca gcttgtctca tgaaatcttt 480
gagatcctt                                489

```

<210> 1625

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1625

```

aaaaaacacg tttgttatta ccaaaaagag acgtcttttag gtaaaaaataa taaaaacccc 60
atgctgcata gataatgcag atagttctat ttatctggtc aacgggcaaa aagcaagcac 120
tttaggtct                                129

```

<210> 1626

<211> 434

<212> DNA

<213> Homo sapiens

<400> 1626
aaagaaatgg tgccttgcctc tgtgtttgtg ctccctgattt ccctggaggt tctggatgaa 60
ggctgaacac aggccttgta atgtcagctc gtgctgagga cctcagggac ttgaggttgc 120
atTTTTgagc atgggggtgca ggagccttcc tggatttggg tgtggctatg gaaagaacac 180
agaagccaag gtcatgtgca tgaaatgagg agtttgagtt agtcacctcg gggatttttt 240
ccattttgca gtaaaatgtt aaattaatgt agcctgcctc tatttgttgg gcaggtaatt 300
tcaaagggtt atttgcctca tctcctatct ttagtgaaat cttatgtgta attgtgtgta 360
tttattccac cgtgggaaca gagaatacct gtttagtggt gcactttaga ctgggtgtctg 420
ttttgttaat gcag 434

<210> 1627

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1627
ccaccctcag ggttcaaaga gactggccca ggggtacaca attgctggaa tattctctgc 60
gagtcatgca cacgtgcggg ggtgaggtgc agttatatgg tgacacacac agtgttactg 120
tgagctctca ggggtgcacag agggcaggtg acaagggcat cagctaactc gtcccacctg 180
gtccagccca tccagttcag gggcatcaag ggggctgagg ccccggtagc cactgtagac 240
cctgtgacta tcaactgacac cgtcactggg ctccattggg caaatgtagt ccgtcgattc 300
atcgaacttc tttttcttta tgtttccgaa gtgtgaaaat cctagtttcc ttggccggac 360
tttggtgtgt gtggtcagtg gtgtgtaagc tggtgaggcc attttctctc gcttttctg 420
ttcagcctcc gg 432

<210> 1628

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1628
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgacctg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccataatc aacaatggca gcatcaccag acttcaagaa tttaggggca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcat 360
gcaatgtgag ccgtgtggca atccaatata gggcatagc cggcgcttat ttggcctgga 420
t 421

<210> 1629

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1629
aggatctttg atagttgaga aaattatgca aagttcctca gaagttgggt atgatgctat 60
ggctggagat tttgtgaata tgggtgaaaa aggaatcatt gaccaacaa aggttgtag 120
aactgcttta ttggatgctg ctgggtgtggc ctctctgtta actacagcag aagttgtagt 180
cacagaaatt cctaaagaag agaaggaccc tggaatgggt gcaatgggtg gaatgggagg 240
tggtatggga ggtggcatgt tctaactcct agactagtgc tttaccttta ttaatgaact 300
gtgacaggaa gcccaaggca gtgttcctca ccaataactt cagagaagtc agttggagaa 360
aatgaagaaa aggctggctg aaaatcacta taaccatcag ttactggttt cagttgacaa 420

aatatataat ggtttactgc tgtcattggc catgcctaca ga

462

<210> 1630

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1630

```
ccttgccggc atcctccttg cctctgtacc ttctcttccc atgtgtgaac gggatgtacc 60
ggtacttaat catgtgcttg atttgccctt tcatcgtgat acagaagagc atgatgaagt 120
acatcaccag aatcggccag aacaccggga cgttgaaagc gtogaagaaa gtacagacca 180
tagccacaag gatgcccttg gtagccgcat gccaaaattt 220
```

<210> 1631

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1631

```
ccatcccctt atgagcgggc gcagtgatta taggctttcg ctctaagatt aaaaatgccc 60
tagcccactt cttaccacaa ggcacaccta caccocctat ccccatacta gttattatcg 120
aaaccatcag cctactcatt caaccaatag ccttggccgt acgcctaacc gctaacatta 180
ctgcaggcca cctactcatg cacctaattg gaagcaccac cctagcaata tcaaccatta 240
accttccctc tacacttatt atcttcacaa ttctaattct actgactatc ctgaaatcg 300
ctgtcgcttt aatccaagcc tacgttttca cacttctagt aagcctctac ctgcaagaca 360
acacataatg accccaat ccatgccta tcatatagta aaaccacagc catgacccct 420
aacaggggccc ctctcagccc tcctaattgac ctccggccta gccatgtgat ttactttcca 480
ctccataacg ctctcatatc tagg 504
```

<210> 1632

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 315

<223> n = A,T,C or G

<400> 1632

```
cacggtggct cagcctgta atctcagcac tttggaaggc cggggcaggc ggatcacgag 60
gtcagaagat cgagaccatc ctggctaaca cagtgaagcc ccgtctctac taaaaatata 120
aagaattagt cgggcatggt ggcgggcgcc tgtagtccca gctactcggg agactgaggc 180
agaagaatgg cgtgaactca ggaggcggag cttgcagtga gccaaaggca cagagcaaga 240
ctctgtctca aaaaataaaa aatagtgcac tgtccttcga gaaagttttc taacatctag 300
taatttgtaa cttanaagtg gagttgcctt gtggatgtct tttttgcatt ctgtaggaaa 360
tgaaacgtga atttaactcg gggtgcaaga aataaaaatg tcagtgcatt t 411
```

<210> 1633

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<400>	1633						
cctgctggag	aacagtggtc	agatctgctg	gctcacttgg	ggaacacagt	gaccacttca	60	
taaccctcag	gtggtgtgac	tcgctcccg	gcatgttct	cacagtagat	ttgatcctcc	120	
acaaagaaat	ggcccttctg	tttcaggttg	gtgccacagt	cagtgcacac	ataacactca	180	
nggtggcgg	gacggtcccg	cagcttcaca	aacacaccaa	caatcccagt	gccacatttg	240	
tcacacatag	gcaacttctg	agcatttcca	atcgacgcag	ccaatttagt	gacaggagct	300	
ttaacacttc	tgaatcctga	gggcttggtg	ggatcccctt	tttcttcaga	ctccaggatt	360	
tcctgcaaaa	ccaanaaaga	cgtggactgt	ttcgggggct	cat		403	

```
<400> 1634
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctctgttca atcgtttctt tggaagcgag tggatttttc tcttgcgctc 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
acatggttgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
cagtggcca                                     309
```

```
<220>
<221> misc_feature
<222> 401
<223> n = A,T,C or G
```

<400> 1635						
gtgtgtgtgt	gtgtgtgtac	gtgtgctgtg	tgtgcatgtg	ctgtgtgcat	gtgtgtgctg	60
tgtttgtgtg	tgtgctgtgt	gtgctgtgtt	cgtgtgtgct	gtgttcgcgt	gtgtgtgctg	120
tgtgtgcatg	tgtgtgctgt	gtcttttgtt	gtgtgctgtg	tgtagtgtg	ctgtgtgtgc	180
atgtgtgtgc	gtgtgctgtg	cgttttgttg	ctgtgtgctc	gtgtgtgtgc	tgtgttcattg	240
cgtgtgctgt	gtgttgtgtg	tgtgtagctg	cgggatgca	taaagtatga	gtgcttttta	300
ggatgggaat	tgggatgtaa	gatttggggg	tgagggtcgt	gccaatata	tttcatttgc	360
atgaattttg	gttttcattgc	tctgtcctgc	acatcactca	ngatttcaat	ggtg	414

[illegible]

<222> 17, 262
 <223> n = A,T,C or G

<400> 1640
 attaggtttt ggcacanagc aggcgcctta tggaatgcag acacagaatt accccaaagg 60
 cggcctcctg gacagcatgt gtccggcctc cacaccagc gtactcagct ctgagcagga 120
 gtttcagatg ttccccaagt ctccggtcag ctccgtcagc gtcacctact gctctgtcag 180
 tcaggacttc ccaggcagca acttgaattt gtcaccaac aattctggga cgcccaaaga 240
 ccacgactcc cctgagaacg gngcggacag 270

<210> 1641
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 1641
 ctgatgtatt ttaatctggt tctgttctat cttgtaatta atttgggtggg ttctacttgt 60
 tttaacataa ataaagagta tgcagcacgt ttaataaaat cagaactctt aattggctta 120
 tgcccaggtc taggctgaga agtccttttt cttcttccca cctttatttc cttagtttct 180
 gtccacctta atcgaaacaa cacatgggta tgtctttttc ctgctacaac tacagggtac 240
 ttgagccttt cccctcaagt gcattcgaag tcaccagga tgatcctcac tagtagcctg 300
 ctttggcagt gtggcttttt gcacacttgc cctgtcttcc tgagactact tcagtaagcc 360
 atgcttcctt cttccccact tttattttgt gtcataaata gaaacttcca aatgtaacca 420
 tggaagctaa gtttggcctg ctttgccttt tagtctccac accatgggca gaactgctgt 480
 ctttactact tcatac 495

<210> 1642
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 407, 486
 <223> n = A,T,C or G

<400> 1642
 gcctgagcgg ggaagcccg c aaacaggtgg aggtcttcag acagaatctt ttccaggagg 60
 ctgaggaatt cctctacaga ttcttgccac agaaaatcat atacctgaat cagctcttgc 120
 aagaggactt cctcaatgtg gctgacttga cttccctccg ggccccactg gacatcccca 180
 tcccagaccc tccaccaag gatgatgaga tggaacaga taagcaggag aagaaagaag 240
 tccctaagtg tggatttctc cctgggaatg agaaagtcct gtccctgctt gccctgggta 300
 agccagaagt ctggactctc aaagagaaat gcattctggg gattacatgg atccaacacc 360
 tgatcccca gattgaagat ggaaatgatt ttggggtagc aatccangag aagggtgctg 420
 agaggggtgaa tgccgtcaag accaaagtgg aagctttcca gacaaccatt tccaagtact 480
 tctcanaacg tggggatgct gtgg 504

<210> 1643
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 1643
 ctgaggaagc tcttcattgg aggggtgagc tttgaaacaa ctgatgagag cctgaggagc 60

catttttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
 aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
 aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
 gtgattgaaa tc 372

<210> 1644

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1644

ctggagctga ctttttttga ttttctcatc cagccatcca caacctgac cagagctgtc 60
 caggagctcg aaaatgcac aattaccagt gggtgaaatt tgatgtgtgc aaacctggag 120
 atgggcagct acctgagggg ctgccggaga atgatgcagc tatgagcttt gaagcctttc 180
 agagacagat ctttgatgaa gatcagaatg atcccccttct gccaggatcc ttggacctcc 240
 cagagcttca gcctgcagcc tttgcgtctt cttaccagcc catgtacctg acacatgaac 300
 ccttggtaga tactcacctg cagcacttga agtctccatc acagggtagc ccaattcagt 360
 cttcagattg aacaagaagg gatcagatgc cacatcgttt ttgtcgtgat taatttaact 420
 taaactaaaa ttttgggtat atgaaagaag gcagcaattc ag 462

<210> 1645

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1645

ccagggctctg gaagggccct gggagcgccc acccctctg gatgagtcg agagagatgg 60
 aggctctgag gaccaagtgg aagaccagc actaagtgag cctggggagg aacctcagcg 120
 cccttcccc tctgagcctg gcacataggc accagcctg catctcccag gaggaagtgg 180
 aggggacatc gctgttcccc agaaaccac tctatcctca ccctgttttg tgcttttccc 240
 ctgcgcctgct agggctgctg cttctgactt ctagaagact aaggctggtc tgtgtttgct 300
 tgtttgccca cttttggctg ataccagag aacctgggca cttgctgcct gatgccacc 360
 cctgccagtc attcctccat tcaccagcg ggaggtggga tgtgagacag cccacattgg 420
 aaaatccaga aaaccgggaa cagggtttg cccttcacaa ttctactccc cagatcctc 479

<210> 1646

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1646

cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
 gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
 caagatcctg agtgacatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
 tgctgaagcc tgggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 1647

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 421, 444
 <223> n = A,T,C or G

<400> 1647
 cctggaagga ggggggcagg agacagccca gaagcagttc tgcaaggagg tttagcaggg 60
 gtggcgcgga gatttgatcc ttggaagaaa tcctatgctg ctgggagttg agattcctga 120
 gaattagaga gaaaagaact ttgggtgccc ttaggtaaat tatgtaaaca cactgagctg 180
 tcttggtgac ccaggatttg gaaatggggc ctgggggcag taggagctgg tgctccagaa 240
 gtcataattg cgggaggttg tggggatgga aaggggtggg aagccctgac cctgaggggc 300
 tcacatgact ttcagcacat ggagcctcca tggggacttt ggcttcaaag ccatcaagct 360
 caagagtgtg ggcaagtgtg gagacagagg tgactctccc cagtggatgc tgaagaactt 420
 naaagggtgac tctgtggggc gggnacatcc ggcacag 457

<210> 1648
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 208, 542
 <223> n = A,T,C or G

<400> 1648
 aaagcaagaa acagaatgag agtaatcaga aagcactagc aggcattcagt taatccaaga 60
 tactagctct tagttccaaa agcacttgca aagaaaacct tttgggggga aggggtggag 120
 agggatggaa gcaactccata ataactggaa tcccatgagt gtgtatgcca agtctcatga 180
 ggctattttt tgaattttat ctttactnng tcatggtttt ttccctcaaa tacaattttt 240
 ctttgacttt ttttctctcaa agtataaaaa gtatgaaata taaacaagct cttgactgac 300
 acacttagaa gtgtacaatt caagcattat agagctatct acacactgat aaatcccatc 360
 gaatcttgga taattcatta atatacaaaa tatcagggca cagaaagaac taaaaccac 420
 ttctttttgt tacacataag attcaaatat tcaatctaaa gaaaaacaca atcactttcg 480
 ctctcttcta catctgcatg gtgatacact tattaataata ttctgtgata atcatgtttg 540
 gngttactat ttcaagtcag gtttac 566

<210> 1649
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 113, 122, 129, 149
 <223> n = A,T,C or G

<400> 1649
 ggctggtctc gaactgtctt caagtgatcc acccacctcg gcctctcaaa gtgctgggat 60
 tacagtctgt agccaccgag cctggctatg tgaagatttt gaggcacgct gancctacac 120
 angcaggtng cgggtgcagc actccagcnc ttctctgaca ttaggttaca ctcaacttct 180
 ctggcacctc tcctgtgcag ccaactgaat gttttgaggt ttctcctttc ttattcttcc 240
 tttgaaagaa cccaacagc tcatcttctg gtataaattt gaaaacattt ttgctgaata 300
 ttatat 306

<210> 1650
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 1650
 aaaaagaaaa gttgaattat ggtttccaga gcttttaggag tccatcttca ctgtaggtag 60
 caatcagggtt ctgatgaggg tgatgtgcaa taccaatcac atccttctcg tgcactgtca 120
 aagttctctc cagtttgcca gtgactgtac tgaacacagta gagcacaag cctccccta 180
 cacagtagat ccattcacca cggggagaga gggcacagca aacaaagtcc ccaccttctc 240
 ttttaccaga actgaagctt ctgacaatct gccctgcat gttcatgatg accaccgtgt 300
 ttgatctgtt gcacaccaca aagtgtctag ggtttttagg aagtagaatc acactgttga 360
 cggtaatatc tgtccctgcg gtgctgcccc gggattt 397

<210> 1651
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1651
 ctgggcttcc atcaatagtt cattcacttc tggactaaca ccatggaggg ggatacaact 60
 tcgtccagtt gagaaggggg agtgcaaata tgaggttctg ttgtcccagt catcaggcaa 120
 agaaaatgat gttgtgccag gaggttgaga taccttggtt gtgtctgaca cctgtcctgc 180
 tgaggcttgc catctgctat ataacagtcc tgagcccact cgatcttgca caaatttaag 240
 attccctgac gaaagcagtt gctgggctct gtgctgccag ttcacggttc tttcaatcat 300
 atatcgaagt gcatctccct caggaaggcg aactcggata cgctgaaggg aggcgagcag 360
 gggcagaatt ttctctaata gaggtttctc tgacctccga caatggggac aaagccagat 420
 tcgcaggccc tgtgaaatac tgggtaccgc cacacaactg gtgtggaaag catccctgca 480
 gagttcacat tgaatcatag gggcag 506

<210> 1652
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1652
 caccattatg cagaatccac gccagtacaa gatcccagac tggttcttga acagacagaa 60
 ggatgtaaaag gatggaaaat acagccagggt cctagccaat ggtctggaca acaagctccg 120
 tgaagacctg gagegactga agaagattcg ggcccataga gggctgcgtc acttctgggg 180
 ccttcgtgtc cgaggccagc acaccaagac cactggccgc cgtggccgca ccgtgggtgt 240
 gtccaagaag aaataagttc gtagg 265

<210> 1653
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1653
 cttagcggct gctgttggtt gggggccgtc ccgctcctaa ggcaggaaga tggtgccgc 60
 aaagaagacg aaaaagtgcg tggagtcat caactctagg ctccaactcg ttatgaaaag 120
 tgggaagtac gtcctggggg acaagcagac tctgaagatg atcagacaag gcaaagcgaa 180
 attggtcatt ctgcctaaca actgcccagc tttgaggaaa tctgaaatag agtactatgc 240
 tatgttggtt aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 300
 atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccagggt actctgacat 360

364

```
<400> 1654
ccagatccat tttcagtggt ctggatttct ttttattttc ttttcaactt gaaagaaact 60
ggacattagg ccactatgtg ttgttactgc cactagtgtt caagtgcctc ttgttttccc 120
agagatttcc tgggtctgcc agaggcccag acaggctcac tcaagctctt taactgaaaa 180
gcaacaagcc actccaggac aagggtcaaa atggttacaa cagcctctac ctgtcgcccc 240
agggagaaaag gggtagtgat acaagtctca tagccagaga tggttttcca ctcttcttag 300
atattcccaa aaagaggctg agacaggagg ttattttcaa ttttattttg gaattaaata 360
cttttttccc tttattactg ttgtagtccc tcacttggat atacctctgt tttcacgata 420
gaaataaaggg aggtctagag cttctattcc ttgg                                     454
```

```
<400> 1655
aaattatgga agtggaaatt acaatgattt tggaaattat aaccagcaac cttctaacta 60
cggtccaatg aaagagtggaa actttggtgg tagcaggaac atggggg 107
```

```
<400> 1656
ccatttgtca tcaactgggaa ccagagacac ccattccctac gccagcttga gccgtgcact 60
gcagacacaa tgctgtattt cttctcccag tcacctgatg agccagcagt atagaccata 120
tagtttcttc actaaattga ctgcagatga gctgtggaaa ggcgctttag cagagactgg 180
tgctggagca aaaaaaggaa gaggcaaaag aactaaaaag aagaaaagaa aggatctgaa 240
caggggtcag atcattggtg aagggcgtta tggttttcta tggcccgga c tgaatgtccc 300
tcttatgaaa aatggagcag tgcagaccat tgcccaaaga agcaaggaag agcaggagaa 360
ggtggaggca gacatgatcc agcagagaga agagtgggac cgaaaagaaga agatgaaggt 420
taaacgggag cgaggatgga gtggaaactc a 451
```

```
<220>
<221> misc_feature
<222> 41, 156, 236, 344, 421
<223> n = A,T,C or G
```

<400> 1657
aaattcttca ttttaccagc aactgctgac atcaaagtct nccctcccc aacaacaaaa 60
atacaattaa aaaaaataaa taataaagtc atttgtgac gttgctgtgg ttctgagctg 120

```

caaaggcact ttcaaatata gaactacttg tacgtnatca taaaaccaat atacaaaaaac 180
aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccatnnggac 240
atctggcaga agtgggagct caaagaccag ggggctgggc aggtcctctg gagcctgac 300
cgagaccgtg tctggctgcaa ggggacacac aaccagggtg ctgntgacta gctttttgca 360
tagctgtgag atgcggcact cgatttccca gcccaaccaca gaaactacca ttgccagtgt 420
nagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
tcgagtatga cagcacagtt t 501

```

<210> 1658

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 441

<223> n = A,T,C or G

<400> 1658

```

cctacagact tattttctct tggacacacc caagggtgagg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaa 120
cttcttcagt cgctccaggc cttcaaggag cttgttgctc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtga ttctgcataa tggatgatca acgttccacc tcctcctcag tgagttctcc 300
cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgat tggcaaaggc tattttccgc cgcccatcga tgttggtgtt 420
gagtactcgc aaaatatgct ngaacttttc agggat 456

```

<210> 1659

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 13, 16, 31, 50, 61, 106, 276, 366, 400, 413, 433

<223> n = A,T,C or G

<400> 1659

```

aaaccctttt ctnctnccat tttgacattt ncacttggag aacacttgan ttgtgaaggt 60
nttgggcacg caccocagaa agtgggaatt tgattttatc cttccnaact ggaagaacat 120
ttttatgaag aatttttctc taggagaata taacagtgtt acccaagggt gtgtcttta 180
gggtggttca ttttctctgg ctttttgcta ctcaaagtaa agtactagga gtcctaagaa 240
atgttctgtt cttgtacatt atactgatta agtcangatt aatttgattt caaagctgag 300
aacagtggta aaaactcgtt tacagaaatg cattttggaa gagaaaaata ctgtaaaacg 360
tgtcgngaag gtttcttcag tttcttgctc agccaatgan gaaagggcat tgnctttctt 420
tttaccatta atnacttctc aataaacgtg agatcctgtt gagcataaaa aaaaaa 476

```

<210> 1660

<211> 116

<212> DNA

<213> Homo sapiens

<400> 1660

caggtaaaaa atgactgttc aggagtgttc aagtagggtc agatgaccag tgattgggaa 60
tacttcgtaa gcaggagcaa gtaagatctg agccactgtt ctatcggtag ggtgtc 116

<210> 1661

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1661

aaagataact cagcatgttt gtaaagcagg atacatttta ctaaaagggtt cattggttcc 60
aatcacagct cataggtaga gcaaagaaaag ggtggatgga ttgaaaagat tagcctctgt 120
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ttgcattagg gtgtgtttta tgttaagcaa aacatacttt agaaacaaat gaaaaaggca 240
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<210> 1662

<211> 364

<212> DNA

<213> Homo sapiens

<400> 1662

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<211> 5265

<212> DNA

<213> Homo sapiens

<400> 1663

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 <211> 911
 <212> DNA
 <213> Homo sapiens

<400> 1664
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<210> 1665
 <211> 2013
 <212> DNA
 <213> Homo sapiens

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<210> 1666

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1666

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<210> 1667

<211> 3149

<212> DNA

<213> Homo sapiens

<400> 1667

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<400> 1668

<210> 1669

<211> 576

<212> DNA

<213> Homo sapiens

<400> 1669

<210> 1670

<211> 746

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<212> DNA

<213> Homo sapiens

<400> 1671

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<210> 1672

<211> 1256

<212> DNA

<213> Homo sapiens

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<400> 1672

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<212> DNA
<213> Homo sapiens

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<400> 1673
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aaaaaaaaa aaaaa 1035

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<210> 1674
<211> 754
<212> DNA
<213> Homo sapiens

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<400> 1674
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atggatgaact gctctgttct ttgctttcct gaaagcatcc atccgatcag tagctttccc 120

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aatagaaaaa cctgcagctc cttttccggt cccacagcc accaagacac ggatcgattt 180
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```

<210> 1675

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1675

```

cacaaagcca gggccaggct ccccatccct acctccact gcacagcag tgggtgttcc 60
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gggactgggg ggatgcagtg tgtgttagtg cccatgtggc attgtggcac tgttgccccc 180
catggcgcca tgggcaagat gaccttccat tagcttcaag tcttgttctc ttgtctgtgg 240
tctgtttaat atgtgggtca ctagggtatt tattctttct cccatcctta cactctggat 300
cattgtgcag acttaatcag ggttttaacg ctttcatttt tttttttttt 350

```

<210> 1676

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 200

<223> n = A,T,C or G

<400> 1676

```

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ccccgcctaa tagtattcaa ctgagcctct tgaggtggga ataaaaacta aaaaaagatt 120
gatgttatag taaaactgaa cagtggcaca gcaaggtgcc tccctttaag gattttacct 180
tcctgtgaag caaacttcan agttcccatc ttctcagcgt gatcacggaa taggcaaact 240
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ctgctgtctc tatcctcgcc tctattttcc tcagcaaaca tactctgcag tcgggtccctt 420
gtccatggca caccaccaac ttttcagtag tgttaccatg cccacctctg gcttcctcta 480
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```

<210> 1677

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1677

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ctcaaaacct cactatttaa tggagtgcct ttgtctctac ttgaattgag ttttttccct 60
gagacccagt gcaggaatac ccccatccca ggggtgtttt ctttccgata ttttccagc 120

```

```

aggaaccttt aaaagcttcc tccagtggaa tgccttaggg gtcctcccat ttctgagaca 180
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agaatgactt tggttttcct ctctcaggtg tgagcggggc ctggaccacg ccatcccca 420
ctatg 425

```

<210> 1678

<211> 1275

<212> DNA

<213> Homo sapiens

<400> 1678

```

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tcgagctgtc tagacccac ggcgacacc ccaagaagcc catcatcgga atattaatgc 180
aaaaatgccg taataaagtc atgaaaaact atggaagata ctataattgct gcgtcctatg 240
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agagtgtttt tcatggaaaa gccttcttat atctgaagat tgaaaaaaat aaatttactg 1260
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```

<210> 1679

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1679

```

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ctctggatgc cactggacac catatactgg atacttatat ccttccattg ttgaaataaa 180
ctcaatcttg ccactctgat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtc gagggtctac 300
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tcagtgagag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
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gtctccatca tcaaaactct gtatggacaa gttataaaat attttg 527

```

<210> 1680

<211> 2642

<212> DNA
<213> Homo sapiens

<400> 1680

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gcccccgctg ctgccttcca tggcctccag ccgcagccct caagttgagg aggggttcca 120
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aagaacagtc accaggcaag caggctggaa ggaagaaatt cttgaatgtg gatagacttc 240
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tt
2642

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<210> 1681
<211> 444
<212> DNA
<213> Homo sapiens

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caaaacaggg	tgaggataga	gtgggtttct	ggggaacagc	gatgtccctc	ccacttctc	660
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<210> 1684

<211> 2261

<212> DNA

<213> Homo sapiens

<400> 1684

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<210> 1687

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1687

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```

<210> 1688

<211> 4932

<212> DNA

<213> Homo sapiens

<400> 1688

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<210> 1689

<211> 1009

<212> DNA

<213> Homo sapiens

<400> 1689

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<210> 1690

<211> 3073

<212> DNA

<213> Homo sapiens

<400> 1690

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<210> 1691

<211> 985

<212> DNA

<213> Homo sapiens

<400> 1691

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<210> 1694

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1694

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<210> 1695

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 556

<223> n = A,T,C or G

<400> 1695

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<210> 1696

<211> 3100

<212> DNA
 <213> Homo sapiens

<400> 1696

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<210> 1697
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1697
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<210> 1698
 <211> 462
 <212> DNA
 <213> Homo sapiens

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<210> 1699
 <211> 1752
 <212> DNA
 <213> Homo sapiens

<400> 1699
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<210> 1700

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1700

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<210> 1701

<211> 515

<212> DNA

<213> Homo sapiens

<400> 1701

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gggccttggc tttgatctac aatgaagccc tcaagggtg aaaataaata gggaagatgg 420
agacaccctc tgggggtcct ctctgagtca aatccagtgg tgggtaattg tacaataaat 480
tttttttggg caaatttaaa aaaaaaaaaa aaaaa 515

```

<210> 1702

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1702

```

ccatcttcca caagtaactc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
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caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
tgtacaataa atttttttt gtcaaattt 329

```

<210> 1703

<211> 1022

<212> DNA
<213> Homo sapiens

<400> 1703
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atccctctgg ctgcagaagt ccccttacct ccaatgagag gaggggcagg accagatctt 120
ttgagagctg aggggttgagg gcattgagcc aacacacaga tttgtcgct ctgtccccga 180
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gt 1022

<210> 1704
<211> 439
<212> DNA
<213> Homo sapiens

<400> 1704
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gaaagaaatc tttgcgaagg tgtccaagca gagacagaac agcatccgga ccaatgccat 360
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catcagcctm tgaccttg 439

<210> 1705
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 224, 258, 294, 296, 304
<223> n = A,T,C or G

<400> 1705
tcaaaacctc actattttaat ggagtgcctt tgtctctact tgaattgcgt tttttccttg 60
agaccagtg aagggaatcc cccatcccag ggtgtttttc tttccgatct tttcccagca 120
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gactcacatt tcctttgngc agtcagcaac agatttatgc atttccctt ttgntntcat 300

cctnttatct tgacttcca

319

<210> 1706

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207, 224, 229

<223> n = A,T,C or G

<400> 1706

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agaccagtg cagggaatcc cccatcccag ggtgtttttc tttccgatct tttcccagca 120
ggaaccttta aaagcttcct ccagtggaaat gccitagggg tctccatt tctgagacag 180
aaacatgggt gatctccctt actctcntgc aatttatggc ttgntccana catgagaaat 240
gactcacatt tcctttgggc agtcagcagc agatttatgc atttcccttt ttgttctcat 300
cctcttatct tgacttcc 318
```

<210> 1707

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 210, 231, 240, 241, 252, 285

<223> n = A,T,C or G

<400> 1707

```
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caaagtcatt cttctcaaaa gcaaagtttt ggctaaaaga catctactta tctggaagtc 120
aagataagag gatgagaaca aaaagggaaa tgcataaatn tgctgctgac tgcccaaagg 180
aaatgtgagt catttctcat gtctggaacn agccatgaat tgcaggaaaa naagggaaan 240
naaccatggt tntgtctcag aaatgggagg acccctaagg cattncaactg gaggaagctt 300
ttaaagg 307
```

<210> 1708

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 210, 216, 441, 481

<223> n = A,T,C or G

<400> 1708

```
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tgtttccagc tacaccagtc agagctccac agagagggtg cgttcctggt tctcagggtg 120
gcagggtgcta tgggtgctgg cgctggaaag aatggggttg aattggccct cgccctccgct 180
tgtttgagac tctcgttaga aagggttan gaaaancaag ggaatggcag ccaccccatc 240
accatcgaga acaggcagac gtttcccagc taggggccaa agccactgga aaccgtgttc 300
```

```

cctgtgcagt ccgactgaca ctaccccatg cctgggggga atgagtataa aaagggaaat 360
gtttttgaag acaggcacga tatatactac tagagaatgc gcagtttcaa accacagttg 420
caggaggata taggaataac nacagggtgcc ggggactacg tacatcttgg atagtcgacg 480
ncgg                                           484

```

```

<210> 1709
<211> 1168
<212> DNA
<213> Homo sapiens

```

```

<400> 1709
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cctcatgagc cgctccaatg tccagccac agctgccct ggccagaagg tgatggagaa 180
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```

```

<210> 1710
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 286, 304, 310, 317
<223> n = A,T,C or G

```

```

<400> 1710
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aagacaatgt gtggcaccct ggactacctg cccccagaga tgattgaggg gcgcatgcac 180
agtgagaagg ttgatctgtg gtgcattgga gtgctttgct atgagctgct ggtggggaac 240
ccaccctttg agagtgcac acacaacgag acctatcgcc gcactntcaa ggtggacct 300
aagntcccn cttccnggcc catgggagcc caggacctca tctccaaact gctcaggcat 360
aaccctggg aacggctgcc cctggcccag gtctcagccc acccttgggt ccgggccaac 420
tctc                                           424

```

```

<210> 1711
<211> 2302

```


<212> DNA
<213> Homo sapiens

<400> 1711

```
gtgactgtgg agtttgaatt ggggtggcgg tgaactgtag gccgctctct ctcaactggca 60
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ctaggaaggg cagtagtcgg gtggccaaga ccaactcctt acggaggcgg aagctcgcct 180
cctttctgaa agacttcgac cgtgaagtgg aaatacgaat caagcaaatt gagtccagaca 240
ggcagaacct cctcaaggag gtggataacc tctacaacat cgagatcctg cggctcccca 300
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ctattcagac acccctgaaa tctgccaaaa cacgaaaggt aatacaggta gatgaaatga 480
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aaccaactcc aggcctgaca cccaggtttg actcaagggt cttcaagacc cctggcctgc 720
gtactccagc agcaggagag cggatttaca acatctcagg gaatggcagc cctcttgctg 780
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```

<210> 1712
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329
<223> n = A,T,C or G

```
<210> 1713
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	1713						
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ttgctgctta	tttaaataca	gttcagtttg	agccccgaga	gtgccaatgt	tttccccaca	180	
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agaaactcgt	ggaaggcggt	gttttccatn	acaggtncac	atgctgattg	cttttgttga	360	
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```
<210> 1714
<211> 5791
<212> DNA
<213> Homo sapiens
```

<400> 1714						
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<210> 1715

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 343, 344, 346, 370

<223> n = A,T,C or G

<400> 1715

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<210> 1716

<211> 2188

<212> DNA

<213> Homo sapiens

<400> 1716

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2188

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<210> 1717

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 239, 288, 381

<223> n = A,T,C or G

<400> 1717

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397

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<210> 1718
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 215, 242, 257
 <223> n = A,T,C or G

<400> 1718
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<210> 1719
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1719
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<210> 1720
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 342, 384
 <223> n = A,T,C or G

<400> 1720
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<210> 1721
 <211> 4497

<212> DNA
 <213> Homo sapiens

<400> 1721

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cattattttga	ctgtagtctt	tcttatgtct	tgttttcctt	cattacctct	tattctatca	360
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<210> 1722

<211> 381

<212> DNA

<213> Homo sapiens

<400> 1722

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<210> 1723

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 264, 294, 400, 443, 450, 451, 467, 477

<223> n = A,T,C or G

<400> 1723

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<222> 215

<223> n = A,T,C or G

<400> 1726

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```

<210> 1727

<211> 2348

<212> DNA

<213> Homo sapiens

<400> 1727

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cgagcccctg attggaagga aaaagacagt tcaaaagacc ctttctgtca cccaccctgg 2040
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```

```

gcaacaaatg atctttgagg aacatgggtt tagggcgacc acaccgcca caacggccac 2160
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tctgacag                                     2348

```

<210> 1728

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 238, 251, 318, 340, 358, 366, 372, 383

<223> n = A,T,C or G

<400> 1728

```

tcagaagtgt cctggaatgg ggcccatgag acggttgtct gagagagagc ttcttgctct 60
gtctttttcc ttccaatcag gggctcgctc ttctgattat tcttcagggc aatgacataa 120
attgtatatt cggttcccgg ttccaggcca gtaatagtag cctctgtgac accagggcgg 180
ggccgagggg ccacttctct gggaggagac ccaggcttct catacttgat gatgtagncc 240
gtaatcctgg nacgtggcgg ctgccatgat accagcaagg aattgggtgt ggtggccagg 300
aaacgcacgt tggatggngc atcaatggca gtggaggcgn cgatgaccac aggggagntc 360
cgagcnttgt cnttcaaggt gtncaggtag atcttgtagt ctttgcttgg a 411

```

<210> 1729

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 182, 269, 289, 291

<223> n = A,T,C or G

<400> 1729

```

cgcttgacag ttgtcctggg actgcttgct ttattcctga cctgctatgc agacgacaaa 60
ccagacaagc cagacgacaa gccagacgac tcgggcaaag acccaaagcc agacttcccc 120
aaattcctaa gcctcctggg cacagagatc attgagaatg cagtcgagtt catcctccgc 180
tncatgtcca ggagcacgta agcactgaga aaaacgttac tttttgtcca attctctgtt 240
gataatgacc acacaatgac ctcatggcnt taaaatacat gagaaacana naaaaaaaaa 299

```

<210> 1730

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 273, 363, 374, 390, 413

<223> n = A,T,C or G

<400> 1730

```

ttcctggcta gtcggtgtaa acgttgcaaa accagtctgt gggctctaaga gctaatacgg 60

```

```

gcatggctgt tgggatggag gacctgctgt ggcttgggtcc tggatcgaa agagtctgga 120
tttttagggc tcatactatc ctccgtgggc atgctccaat aaattcactg ctttgtggcg 180
cgacccttag gtattctgca ttttcagctg tggagccctt aaagatgcca tttggcttgg 240
cttccttggg aaagaagtcc tgctggtagt canggttgtc caggctaatt tgggtggctgc 300
ctttctgggc ccagtgggca gggtgtcga atgtgtgtt gacacaggtg ggctggacag 360
tgntgagata ctnggggtt cccactgcan tgctgtgggg gtcttggtta tnggggtctc 420
tactgggcgc                                     430

```

<210> 1731

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2497

<223> n = A,T,C or G

<400> 1731

```

cttccagttt gccaaaggcac gagtaacaag ctacgcagct tgggcacttt tgaagatcat 60
tttctcagcc tccagaggat gttcaataac tgtgaggtgg tccttgggaa tttggaaatt 120
acctatgtgc agaggaatta tgatctttcc ttcttaaaga ccatccagga ggtggctggt 180
tatgtcctca ttgccctcaa cacagtggag cgaattcctt tggaaaacct gcagatcatc 240
agaggaaata tgtactacga aaattcctat gccttagcag tcttatctaa ctatgatgca 300
aataaaaccg gactgaagga gctgcccatg agaaatttac aggaaatcct gcatggcgcc 360
gtgcggttca gcaacaaccc tgccctgtgc aacgtggaga gcatccagtg gcgggacata 420
gtcagcagtg actttctcag caacatgtcg atggacttcc agaaccacct gggcagctgc 480
caaaagtgtg atccaagctg tcccaatggg agctgctggg gtgcaggaga ggagaactgc 540
cagaaactga ccaaaatcat ctgtgccagc cagtgtcccg ggcgctgcg tggcaagtcc 600
cccagtgact gctgccacaa ccagtgtgct gcaggctgca caggcccccg ggagagcgac 660
tgcctggtct gccgcaaatt ccgagacgaa gccacgtgca aggacacctg cccccactc 720
atgctctaca accccaccac gtaccagatg gatgtgaacc ccgagggcaa atacagcttt 780
ggtgccacct gcgtgaagaa gtgtccccgt aattatgtgg tgacagatca cggctcgtgc 840
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```

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gtttttaaact	ctcctagtca	atatccaccc	catccaattt	atcaaggaag	aaatggttca	5100
gaaaatatatt	tcagcctaca	gttatgttca	gtcacacaca	catacaaaat	gttccttttg	5160
ctttttaaagt	aattttttgac	tcccagatca	gtcagagccc	ctacagcatt	gttaagaaag	5220

5264

```
<220>  
<221> misc_feature  
<222> 250, 317, 344  
<223> n = A,T,C or G
```

<400> 1732						
aacacggtga	ctattagtaa	caatgtattc	ttgaaaatct	ctaagacagt	agattttaag	60
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acctacttca	catggttggt	gtgaggcttg	aataagaata	cacgaaaagc	acttaagatt	180
agtttggggc	aaaataaatg	ttaacccttt	agtagtgaca	actgtaacca	cagttttacat	240
tagagcttan	tgctaccttg	gacagagggg	tcttgacatt	ctcatattcc	cagccccctg	300
ggccactctc	agcttgnggt	attcccagca	gcagtctcca	tcanagaaga	tggttagtga	360
tgctctccct	ttctagaaaa	aacaaaaacct	ggccaggcac	gg		402

```
<210> 1733
<211> 318
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 217, 291
<223> n = A,T,C or G
```

```
<400> 1733
tttttttgtg cagtatgaca cttacaagat ggccagacta gaggaagcca gaggtgggca 60
tggtaacact actgaaaagt tgggtggtgtg ccatggacaa gggaccgact gcagagtatg 120
tttgctgagg aaaatagagg cgaggataga gcaggcaggg gaagggaaat aagacatgga 180
gataggaggt taaagcagtt gggagtcocat acacagncta cccaacttcc tgagaactct 240
tagagaggaa aaggcatcct taggcatcct tctgtgaag attgcctatt ncgtgatcac 300
qctgagaaga tgggaact                                     318
```

```
<210> 1734
<211> 434
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 341, 413  
<223> n = A,T,C or G
```

```
<400> 1734
aggaatcaga aatcaaatca gccattttca ccattttgtc tgttacacac agacgtgtgt 60
gatctatgga tggctgtgtc tacagtcaca aggtaaaata ctcccttcagc tggggttaca 120
```

<210> 1735

<211> 415

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 173, 265, 295, 314, 324, 413, 414, 415

<223> n = A, T, C or G

<400> 1735

cagaggaat	tcttttaaat	aggatgacaa	tcataagaag	gaacagttac	aattctgaat	60
atgaaagagc	tgtttcttta	gtaataaacc	aaatacaaag	ttccgggttc	atctgtttctg	120
gctggcaaat	cttgcataaa	aaagccatac	tttagctaaa	caaaagcttt	tangctggcc	180
cagaaagag	gaatgaacaa	tttgaaaaac	atcttttatt	gcctgagaaa	atttaaaaag	240
tgtctgaaag	tgccaggaga	cctgnctcaa	tgtgactcag	gcagctttcc	aaagnccttc	300
agctttccta	agtntgagtc	atanggaag	gagagagggc	tcttggtcaa	agatacaggt	360
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<210> 1736

<211> 439

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 168, ⁻205, 211, 309, 393, 422

<223> n = A, T, C or G

<400> 1736

caaagtatcc	acctgtgtgt	cttataatca	cctattttacc	tattttgcct	cctagaaaaat	60
gcaagaagat	attttctctc	cttccaaatt	gaaggaagaa	cataaaagat	ataacaggga	120
ggagatggtg	agatatagag	tatgagcgga	gattaggcca	gctgtggnaa	ttctggacag	180
atcttggtt	tagctaagtt	attntttta	ngcctgggtt	tctgggggtg	acagggaaga	240
taaaagagta	gtttatttgc	acctcttga	gaattgctta	aaaatataga	gatcatggct	300
ctgtatgtna	ggtggaacca	ggtcaggagt	atttgaaact	gtcctgggt	cattgtgaca	360
tatccttcac	atctttttga	gaaactttat	aanacaatgg	gggtgaatgg	gggctgggca	420
gntggagtct	ctgagcaga					439

<210> 1737

<211> 361

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 160, 162, 230, 277, 300, 322, 347

<223> n = A,T,C or G

<400> 1737

```
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acagaacatc cctttacccc tcacacggaa catcctgtca cctgctgaca cggaacatcc 120
gatcaccocgt cacacggaaac atcccatcac acagaacatn cnatcacttg tcacatctca 180
cccatcacac ggaacatccc gtcagccatc acatctcacc cgtcacacan aacatccctt 240
caccatcac atggaacatc ccatcaccoc tcacatntta cccgtcacat ggaacatccn 300
ttcaccatc acatggaaca tncocgtcacc tgctcacatg gaacatncca tcaccatca 360
c 361
```

<210> 1738

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1738

```
cggatcgag ctctcgcggc agtcgcctga gacttaaggt tattgcttgg ccgcggcctg 60
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cctcagacag ttgcgctggc tcagcggggc cggaacatgg ctgcgtccgg tctggatcat 180
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gagcaaggcc agaatgttct ggaaatctta caagactgtt ttgaagaaa aagtcttgcc 300
aatgatttta gtacaaattc tacaaaatca gtgcctaatt caacacgcaa aataaaagac 360
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tcttcaaaga agaaagaagc ctctctacag tttgtttag aaccaagtga agccacaaac 480
agatcagttc aggcccatga agttcatcag aaaattctgg caactgatgt tagttccaaa 540
aatacacctg actcgaaaaa aatatcaagt agaaacataa atgatcatca cagtgaagct 600
gatgaagaat tttacttatc cgttggtcga ccttctgttc ttttggtatg aaaaacatct 660
gtatcacaaa atgttattcc atctagtgc aaaaagagag agacttacac ttttgaaaat 720
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gaattaccaa tgcatacaca tagtagccga aaatctacta agaaaacaaa tcagtcatct 1860
aagaatatta ggaaaaaac tattccactt aaaaggcaga agacagcaac taaaggcaac 1920
caaagagtac agaagttttt aaatgctgaa ggttctggag gtatcgttgg tcatgatgaa 1980
atttccagat gttcactgag tgagccattg gaaagtgatg aggcagactt ggctaagaag 2040
aaaaatcttg attgttctag atctacaaga agtcaaaga atgaagataa cattatgact 2100
gcacagaatg ttccctaaa gcctcagacc agtggtatata catgtaatat accaacagag 2160
tcaaaacttg attctggaga gcataagact tcagttttag aggaaagtgg accttccagg 2220
```



```

ctcaataata attattttaat gtctggaaag aatgatgtgg atgatgagga agttcatgga 2280
agttcagatg actcaaaaaca atctaaagtg ataccaaaga acagaatcca tcacaaacta 2340
gtattgccct ccaacacacc aaatgttcgc aggaccaaga gaacacgttt gaaacctttg 2400
gagtactggc gaggagagcg aatagattat caaggaaggc catcaggagg attcgtgatt 2460
agtggagtac tatctccaga cacaatatcg tctaaaagga aggcaaaaga aaatattgga 2520
aaagtcaaca aaaaatctaa taagaaaagg atctgtcttg ataacgatga aagaaagact 2580
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gaccagaaa caagagagat tattctcatg gatcttgtta ggccacaaga tacatatcaa 2700
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ccttaaatat atgtatgtat atatgtatat gtaaaaacag tttgtatagt tggaatatat 3060
gtctttgtta ttacttgtga tgttttaaaa taaaaatfff attcagtttt gtgtaaaaaa 3120
aaaaaaaaaa aa 3132

```

<210> 1739

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1739

```

acaaaaggtc accaaagtta acataaaaaa ccaatatatc ctggccaaca tgctgctttc 60
ccttttcttc ttgtggctct aatatcaatt tcccagtaga aaaaaagggg gtatccaatg 120
tcttgatatac cttcaactca ccatgcttaa caaaaaattg atatgtatct tgtggcctta 180
caagatccat gagaataatc tctcttgttt ctgggt 216

```

<210> 1740

<211> 3302

<212> DNA

<213> Homo sapiens

<400> 1740

```

cggcatcctg tgctgtgggg gctacgagga aagatctaata tatcatggac ctgcgacagt 60
ttcttatgtg cctgtccctg tgcacagcct ttgccttgag caaaccaca gaaaagaagg 120
accgtgtaca tcatgagcct cagctcagtg acaaggttca caatgatgct cagagttttg 180
attatgacca tgatgccttc ttgggtgctg aagaagcaaa gacctttgat cagctgacac 240
cagaagagag caaggaaagg cttggaaaga ttgtaagtaa aatagatggc gacaaggacg 300
ggtttgtcac tgtggatgag ctcaaagact ggattaaatt tgcacaaaag cgctggattt 360
acgaggatgt agagcgacag tggaaggggc atgacctcaa tgaggacggc ctcgtttctt 420
gggaggagta taaaaatgcc acctacggct acgtttttaga tgatccagat cctgatgatg 480
gatttaacta taaacagatg atggtttaga atgagcggag gtttaaaatg gcagacaagg 540
atggagacct cattgccacc aaggaggagt tcacagcttt cctgcacctt gaggagtatg 600
actacatgaa agatatagta gtacaggaaa caatggaaga tatagataag aatgctgatg 660
gtttcattga tctagaagag tatattgggtg acatgtacag ccatgatggg aatactgatg 720
agccagaatg ggtaagaca gagcgagagc agtttgttga gtttcgggat aagaaccgtg 780
atgggaagat ggacaaggaa gagaccaaag actggatcct tccctcagac tatgatcatg 840
cagaggcaga agccaggcac ctggtctatg aatcagacca aaacaaggat ggcaagctta 900
ccaaggagga gatcggtgac aagtatgact tatttgttgg cagccaggcc acagattttg 960
gggaggcctt agtacggcat gatgagttct gagctgcgga ggaaccctca tttcctcaaa 1020
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actacaaact ttttaagaca tgaaaaggcg taatgaaaac catcccgtcc ccatcctccc 1140
tctctctgta gggactggag ggaagccgtg cttctgagga acaactctaa ttagtacact 1200

```

```

tgtgtttgta gatttacact ttgtattatg tattaacatg gcggtgtttat ttttgtat 1260
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cattagctct ttactctttc tcaacccctt atatgatttt aataattctc acttcactaa 1380
ttttgtaagc ctgagatcaa taagaaatgt tcaggagaga ggaaagaaaa aatataatg 1440
ctccacaatt tataatttaga gagagaacac ttagtcttgc ctgtcaaaaa gtccaacatt 1500
tcataggtag taggggccac atattacatt cagttgctat aggtccagca actgaacctg 1560
ccattacctg ggcaaggaaa gatccctttg ctctaggaaa gcttggtcca aattgatttt 1620
cttctttttc cccctgtagg actgactgtt ggctaatttt gtcaagcaca gctgtggtgg 1680
gaagagttag ggccagtgtc ttgaaaatca atcaagtagt gaatgtgatc tctttgcaga 1740
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cctttctctt ttggacaata gttaaattag cagtattagt tatgagttt gttgcagtgt 2160
tcttatcttg tgggtgatt tccaaaaacc acatgctgct gaatttacca gggatcctca 2220
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gctcacactc aaagatcaga ggacctacag agagggctct ttggtttgag gaccatggct 2340
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caaaaaaaaa aaaaaggaaa cgtttatcat gaatcaacag ggtttcagtc cttatcaaag 2460
agagatgtgg aaagagctaa agaaaccacc ctttgttccc aactccactt taccatatt 2520
ttatgcaaca caaacactgt ccttttggtt ccctttctta cagatggacc tcttgagaag 2580
aattatcgta ttccacgttt ttagccctca ggttaccaag ataaatata gtatatata 2640
cctttattat tgctatatct ttgtggataa tacattcagg tgggtgctgg tgattatta 2700
taatctgaac ctaggatat cctttggtct tccacagtca tggtgaggtg ggctccctgg 2760
tatggtaaaa agccaggtat aatgtaact caccocagcc tttgtactaa gctcttgata 2820
gtggatatac tcttttaagt ttagcccaa tatagggtaa tggaaatttc ctgcccctg 2880
ggttcccat ttttactatt aagaagacca gtgataattt aataatgcc ccaactctgg 2940
cttagttaag tgagagtgtg aactgtgtgg caagagagcc tcacacctca ctagggtgcag 3000
agagcccagg ccttatgtta aaatcatgca cttgaaaagc aaaccttaat ctgcaaagac 3060
agcagcaagc attatacggg catcttgaat gatccctttg aaattttttt tttgtttgtt 3120
tgtttaaatc aagcctgagg ctggtgaaca gttagctacac acccatattg tgtgttctgt 3180
gaatgctagc tctcttgaat ttggatattg gttatttttt atagagtgt aaccaagttt 3240
tatattctgc aatgcgaaca ggtacctatc tgtttctaaa taaaactgtt tacattcaaa 3300
aa 3302

```

```

<210> 1741
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 22, 237, 298
<223> n = A,T,C or G

```

```

<400> 1741
caaaggctgg ggngaagtta cnttatacct ggctttttac cataccaggg agcccacctc 60
aacatgactg tggaagacca aaggatatac ctagggtcag attataataa atcaccacgc 120
accacctgaa tgtattatcc acaaagatat agcaataata aagggttatat atacatatat 180
ttatcttggg aacctgaggg ctaaaaacgt ggaatacgat aattcttctc aagaggncca 240
tctgtaagaa agggacccaa aaggacagcg tttgtgttgc ataaaaatat ggtaaagngg 300
agttgggaac aaaggg 316

```

<400> 1744
cacttggtcaa accttcactc aacacttgct tccnaaagcc agaagatgca caaggaggaa 60

```
<210> 1745
<211> 1898
<212> DNA
<213> Homo sapiens
```

```
<210> 1746
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49, 151, 178, 180, 275
<223> n = A,T,C or G
```

```
<210> 1747
<211> 368
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 223, 323  
<223> n = A,T,C or G
```

<400> 1747						
tcccaggcgg	tcccacagaa	cagcagtgcc	tcccgaaatt	cttcactaca	gacctgctac	60
cgcccttcagc	atgctaattg	tgcattggtgg	ggtggctcag	agacctggca	cagctctgct	120
cacctttcca	acaacatcat	accagcact	tcacaaaata	tcatagagaa	acccttttac	180
tttaaagcac	acagcatttc	actcttgaaa	agcactaaat	cantttctgtg	gggacaaaca	240
tttacaccat	gcctgccatt	catgcctgcc	ttacctttat	gggtttctct	cacatgtttc	300
agaagtccg	tccatgtttt	tgncacaaaag	gaacatcctt	tttgacatac	atagcctatt	360
aaaaaaaaat						368

```
<210> 1748
<211> 767
<212> DNA
<213> Homo sapiens
```

<400>	1748						
aagccacctc	aagtggacaa	ggcacttacc	aacagagatt	gctgatttgc	tccttaagca	60	
agagattcac	tgccgctaag	catggctcag	accaactcgt	tcttcatgct	gatctcctcc	120	
ctgatgttcc	tgtctctgag	ccaaggccag	gagtcgccaga	cagagctgcc	taatccccga	180	
atcagctgcc	cagaaggcac	caatgcctat	cgctcctact	gctactactt	taatgaagac	240	
cctgagacct	gggttgatgc	agatctctat	tgccagaaca	tgaattcagg	caacctggtg	300	
tctgtgctca	cccaggcgga	gggtgccttc	gtggcctcac	tgattaagga	gagtagcact	360	
gatgacagca	atgtctggat	tggcctccat	gacccaaaaa	agaaccgccg	ctggcactgg	420	
agtagtgggt	ccctgggtctc	ctacaagtc	tgggacactg	gatccccgag	cagtgcata	480	
gctggctact	gtgcaagcct	gacttcctgc	tcaggattca	agaaatggaa	ggatgaatct	540	
tgtgagaaga	agttctcctt	tgtttgcaag	ttcaaaaact	agaggaaagt	gaaaaatgga	600	
tgtctagaac	tggctctgca	attactatga	agtcaaaaat	taaactagac	tatgtctcca	660	
actcagttca	gacctctccc	tccctaata	gtttgcatcg	ctgatcttca	gtaccttcac	720	
ctgtctcagt	ctctagagcc	ctgaaaaata	aaaacaaact	tattttt		767	

```
<210> 1749
<211> 595
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<222> 317, 530, 534, 552, 571, 582, 591

<223> n = A,T,C or G

<400> 1749

```

gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagccac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gaggcccaga cagagttgcc ccaggcccgg 240
atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaagac 300
cgtgagacct gggttgntgc agatctctat tgccagaaca tgaattcggg caacctggtg 360
tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccggcg ctgggcactgg 480
agcagtgggg ccctgggtctc ctacaagtcc tggggcattg gagccccaan cagngttaat 540
cctggctact gngtgagcct gacctcaagc ncaggattcc anaaatggaa ngatg 595

```

<210> 1750

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 204, 221, 237, 254, 259, 287, 370, 406, 411, 415, 507, 521

<223> n = A,T,C or G

<400> 1750

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctca caanattcat ccttccattt nttgaatcct gagcatnaag 240
tcaggcgttg ccnttatanc cagcattagc actgtcggg gatccantgt cccaggactt 300
gtaggagacc agggaccgac tactccagtg ccagcggcgg ttcttttttg ggtcatggag 360
gccaatccan acattgctgc catcagtget acgctcctta atcagngagg ncacnaacgc 420
accctccgcc tgggtgagca cagacaccag gttgcctgaa ttcatgttct ggcaatagag 480
atctagcatc aaccaggtc tcagggnctt cattaaagta ntagcagtag gagcgatagg 540
cattgg 546

```

<210> 1751

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 369, 406, 415, 433, 450, 460, 464

<223> n = A,T,C or G

<400> 1751

```

gcccttaccg acgtcgacta tncaagatgt actggagatc agcgatgcaa actcattagg 60
gaggagatgg tcttgaactg agttggagac atagtctagt ttaatttttg acttcatagt 120
aattgcagga ccagttctag acatccattt ttcagcttcc tctagttttt gaacttgcaa 180
acaaaggaga acttcttctc acaagattca tccttccatt tcttgaatcc tgagcatgga 240
gtcaggcttg cacagtagcc agcattagca ctgctcgggg atccagtgtc ccaggacttg 300
taggagacca gggacccact actccagtgc cagcggcggt tcttttttgg gtcattggag 360

```

```
ccaatccana cattgctgtc atcagtgtc cttgtcctta atcagngagg ccacnaagca 420
ccctcccctg ggngaggaca gacaccaggn gtgcctgaan ttant 465
```

```
<210> 1752
<211> 434
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 22, 344, 376, 400, 407, 415, 426
<223> n = A,T,C or G
```

```
<400> 1752
gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
acagagattg ttgatttgcc tcttaagcaa gagattcatt gcagctcagc atggctcaga 120
ccagctcata cttcatgctg atctcctgcc tgatgtttct gtctcagagc caaggccaag 180
aggcccagac agagttgccc caggcccgga tcagctgccc agaaggcacc aatgcctatc 240
gtcctactg ctactacttt aatgaagacc gtgagacctg ggttgatgca gatctctatt 300
gccagaacat gaattcgggc aacctgggtg ctgtgctcac ccangccgag ggtgcctttg 360
tggcctcctg attaangagg agtggcactt gatgacttct atgtctngga ttggnctcca 420
tgaccncaaa aaga 434
```

```
<210> 1753
<211> 517
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 478
<223> n = A,T,C or G
```

```
<400> 1753
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccacac attgctgtca tcagtgtctac tctccttaat cagtgaggcc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccaggt tgcctgaatt catgttctgg caataganat 480
ctgcatcaac ccaggtctca ggtcttcat taaagta 517
```

```
<210> 1754
<211> 479
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 24, 454
<223> n = A,T,C or G
```

gcccattaccg	acgtcgacta	tccnagatgt	acgcggggga	agaagccaac	tcagactcag	60
ccaacagaga	ttgttgattt	gcctcttaag	caagagattc	attgcagctc	agcatggctc	120
agaccagctc	atacttcattg	ctgatctcct	gcctgatgtt	tctgtctcag	agccaaggcc	180
aagaggccca	gacagagttg	ccccaggccc	ggatcagctg	cccagaaggc	accaatgcct	240
atcgctccta	ctgctactac	tttaatgaag	accgtgagac	ctgggttgat	gcagatctct	300
attgccagaa	catgaattcg	ggcaacctgg	tgtctgtgct	caccaggcc	gaggggtgcct	360
ttgtggcctc	actgatgaag	gagagtggca	ctgatgactt	caatgtctgg	attggcctcc	420
atgaccccaa	aaagaaccgc	cgctggcact	ggancagtgg	gtccctggtc	tcctacaag	479

<213> Homo sapiens

<223> n = A, T, C or G

gcccitaccg	acgtcgacta	tncaagatgt	acgcggggga	agccaactca	gactcagcca	60
acagagattg	ttgatttgcc	tcttaagcaa	gagattcatt	gcagctcagc	atggctcaga	120
ccagctcata	cttcattgctg	atctcctgcc	tgatgtttct	gtctcagagc	caaggccaag	180
aggcccagac	agagttgtcc	caggcccgga	tcagctgcc	agaaggcacc	aatgcctatc	240
gctcctactg	ctactacttt	aatgaagacc	gtgagacctg	ggttgatgca	gatctctatt	300
gccagaacat	gaattcgggc	aacctgggtg	ctgtgctcac	ccaggccgag	ggngcctttg	360
tggcctcact	gattaaggag	agtggcactg	atgacttcaa	tgtctggatt	ggntccatg	420
acccccaaaa	gaaccgccgc	tggcaactgga	gcagtgggtc	cctggctcnc	tanaagtact	480
ggggcatttg	agccccaa					498

<213> Homo sapiens

<223> n = A, T, C or G

gcccttaccg	acgtcgacta	tccaagatgt	acggggacaa	ggcacttacc	aacagagatt	60
gctgatttgc	tccttaagca	agagattcac	tgccgctaag	catggctcag	accaactcgt	120
tcttcatgtc	gatctctcc	ctgatgttcc	tgtctctgag	ccaaggccag	gagtcocaga	180
cagagctgcc	taatccccga	atcagctgcc	cagaaggcac	caatgcctat	cgctcctact	240
gctactactt	taatgaagac	cctgagacct	gggttgatgc	agatctctat	tgccagaaca	300
tgaattcagg	caacctggtg	tctgtgctca	cccatgcgga	gggtgccttc	gtggcctcac	360
tgattaagga	gagtagnact	gatgacagca	atgtctggat	tggcctccat	gacccaaaaa	420
agaaccgccg	ctggcactgg	agtagtgggt	ccctggtctc	ctacaantnc	tgggacactg	480
gatccccgag	cagtgtcaat	gctggctact	gtgcaagcct	gacttcatgc	tcaggattca	540
agaaatggaa	ggatgaatct	tgtgagaaga	attctncttt	gtttgcaagt	tcc	593

<210> 1757

<211> 123
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 34, 45, 54, 75, 100
 <223> n = A,T,C or G

<400> 1757
 catcgtctgg aactgatttg ganacattgt ctantttaat ttttnacttc atantaattg 60
 caggaccagt tctanacatc catttttcaa ctctctctan tttttgaact tgcaaacaaa 120
 gga 123

<210> 1758
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 285, 305
 <223> n = A,T,C or G

<400> 1758
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa ctctcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccantgtcc caggacttgt 300
 agganaccag ggaccacta ctccagtgcc a 331

<210> 1759
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 534, 536, 569, 613, 630
 <223> n = A,T,C or G

<400> 1759
 gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
 ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
 agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
 ctgatgtttc tgtctcagag ccaaggccaa gaggcccaaga cagagttgcc ccaggcccgg 240
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 cgtgagacct gggttgatgc agatctctat tgccagaaca tgaattcggg caacctggtg 360
 tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
 gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccg ctggcncctg 480
 agcagtgggt ccctgggtctc ctacaagtcc tggggcattg gagccccaag cagngntaat 540
 cctggctact gtgtgagcct gacatcaanc acagggattc cagaaatgga aagatgtgcc 600
 ttgtgaagac aanaactcct ttgtctgcan gttcaaaaac ta 642

<210> 1760
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339, 438, 439
 <223> n = A,T,C or G

<400> 1760
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcgggggnt cttttttggg tcatggaggc 360
 caatccaaac attgctgtca tcagtgtac tctccttaat caagggaggg cacgaaggca 420
 cctccgcct gggtgagnnc agacaccaag ttgcctgaat tcatgttctg g 471

<210> 1761
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 190, 415, 422, 444
 <223> n = A,T,C or G

<400> 1761
 gcccttaccg acgtcgacta tccangatgt acgcggggga gaagccaact cagactcagc 60
 caacagagat tgttgatttg cctcttaagc aagagattca ttgcagctca gcatggctca 120
 gaccagctca tacttcatgc tgatctcctg cctgatgttt ctgtctcaga gccaaaggcca 180
 agaggccan acagagttgc cccaggcccg gatcagctgc ccagaaggca ccaatgccta 240
 tcgtccctac tgctactact ttaatgaaga ccgtgagacc tgggttgatg cagatctcta 300
 ttgccagaac atgaattcgg gcaacctggt gtctgtgtct acccacgccg aggggtgcctt 360
 tgtggcctca ctgattaagg agagaggcac tgatgacttc aatgtctgga ttggnctcca 420
 tnaccccaaa aagaaccgcc gctngcactg gagcagtggg t 461

<210> 1762
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 336, 372
 <223> n = A,T,C or G

<400> 1762
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120

```

attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caggattcat ccttccattt cttgaatcct tttttgggtc 240
atggaggcca atccagacat tgctgtcacc agtgctactc tccttaatca gtgaggccac 300
gaaggcacc tccgcctggg tgagcacaga caccangttg cctgaattca tgttctggca 360
atagagatct gnatcaaccc aggtct 386

```

<210> 1763

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 267

<223> n = A,T,C or G

<400> 1763

```

gcccttaccg acgtcgacta tncaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattancac tgctcgggga tccagtgtcc caagacttgt 300
aggagaccag ggaccacta ctccagtgcc agg 333

```

<210> 1764

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 404, 409, 475, 477

<223> n = A,T,C or G

<400> 1764

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccagac attgctgtca tcagtgtac tctccttaat cagngaggnc acgaaggcac 420
cctccgctgg gtgagcacag acaccaggtt gcctgaattc atgttctggc aatananac 480
tgcataacc ca 492

```

<210> 1765

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 205, 381, 388

<223> n = A,T,C or G

```
<210> 1766
<211> 494
<212> DNA
<213> Homo sapiens
```

<400> 1766						
gcccttacgg	acgtcgacta	tccaagatgt	actgaagatc	agcgatgcaa	actcattagg	60
gaggagatgg	tctgaactga	gttggagaca	tagtctagtt	taatttttga	cttcatagta	120
attgcaggac	cagttctaga	catccatttt	tcagcttctt	ctagtttttg	aacttgcaaa	180
caaaggagaa	cttctttctc	caagattcat	ccttccattt	cttgaatcct	gagcatgaag	240
tcaggcttgc	acagtagcca	gcattagcac	tgctcgggga	tccagtgtcc	caggacttgt	300
aggagaccag	ggacccta	ctccagtgcc	agcggcggtt	cttttttggg	tcattggaggc	360
caatccanac	attgctgtca	tcagtgtctc	tctccttaat	cagtgaggcc	acgaaggcac	420
cctccgncgtg	ggtgagcaca	gacaccangg	tgcttgaatt	catgttctgg	caatagagat	480
ctgcattacc	cacg					494

```
<210> 1767
<211> 569
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 22, 409, 494, 515, 518, 527, 558, 559
<223> n = A,T,C or G
```

<400>	1767						
gcccttaccg	acgtcgacta	tncaagatgt	actgaagatc	agcgatgcaa	actcattagg	60	
gaggagatgg	tctgaactga	gttgagagaca	tagtctagtt	taatttttga	cttcatagta	120	
attgcaggac	cagttctaga	catccatttt	tcagcttcct	ctagtttttg	gacttgcaaa	180	
caaaggagaa	cttcttctca	caagattcat	ccttccattt	cttgaatcct	gagcatgaag	240	
tcaggcttgc	acagtagcca	gcatttagcac	tgctcgggga	tccagtgtcc	caggacttgt	300	
aggagaccag	ggacccta	ctccagtgcc	agcggcggtt	cttttttggg	tcatggaggc	360	
caatccagac	attgtgttca	tcagtgtctc	tctccttaat	cagtgaggnc	acgaaggcac	420	
cctccgcctg	ggtgagcaca	gacaccagg	tgccctgaatt	catgttctgg	caatagagat	480	
ctgcatcaac	ccangtctca	gggtcttcat	taaantanta	gcagtangag	cgataggcat	540	
tqgtaccttc	tgggcagnnt	gattccggg				569	

<210> 1768

<211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 347
 <223> n = A,T,C or G

<400> 1768
 gcccttaccg acgtcgacta tccaagatgt accgggggat ataaagctcc cacagccacc 60
 tggcctgaga agccaactca gactcagcca acagagattg ttgatttgcc tcttaagcaa 120
 gagattcatt gcagctcagc atggctcaga ccagctcata cticattgctg atctcctgcc 180
 tgatgtttct gtctcagagc caaggccaag aggcccagac agagttgccc caggcccgga 240
 tcagctgccc agaaggcacc aatgcctatc gctcctactg ctactacttt aatgaagacc 300
 gtgagacctg gggttgatgca gatctctatt gccagaacat gaattcnggc aacctggtgt 360
 ctgtgctcac ccacgccgag ggtgcctttg tggctcactg attaaggaga g 411

<210> 1769
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 93, 106, 175
 <223> n = A,T,C or G

<400> 1769
 gcccttaccg acgtcgacta tccaanatgt acgggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tcttaagca agagattcac tgnccgtaag catggntcag accaactcgt 120
 tcttcattgt gatctcccc ctgatgttcc tgtctctgag ccaaggccag gagtnccaga 180
 cagagctgcc taatcccc 198

<210> 1770
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 313, 342, 360, 379, 390
 <223> n = A,T,C or G

<400> 1770
 atgtcctgaa gatcagcgat gcaaactcat tagggaggag atggtctgaa ctgagttgga 60
 gacatagtct agtttaattt ttgacttcat agtaattgca ggaccagttc tagacatcca 120
 tttttcagct tctctagtt ttggaacttg caaacaagg agaacttctt ctcacaagat 180
 tcattcctcc atttcttgaa tcttgagcat gaagtcaggc ttgcacagta gccagcatta 240
 ncaactgctcg gggatccagt gtcccaggac ttgtaggaga ccagggaccc actactccag 300
 tgccagcggc ggntcttttt tgggtcatgg aggccaatcc anacattgct gtcattcagan 360
 gctactctcc ttaatcagng aggccacgan ggcaccctcc gcctgg 406

<210> 1771

<211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 348, 353, 397, 469, 471, 504, 536
 <223> n = A,T,C or G

<400> 1771
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agtatggctc agaccaactc 120
 gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc aggagtccca 180
 gacagagctg cctaattcccc gaatcagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gagggtgnet tontggcctc 360
 actgattaag gagagtagcg ctgatgacag caatgtntgg attggcctcc atgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tctacaant nctgggacac 480
 tggatccccg agcagtgccta atgntggcta ctgtgcaagc ctgacttcat gctcangatt 540
 caagaaatgg aaaggatgaa t 561

<210> 1772
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 204, 282, 333, 378
 <223> n = A,T,C or G

<400> 1772
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaggagaaa cttcttctca caanattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tncagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agnggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgnca tcagtgtctac t 391

<210> 1773
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 396, 405, 468, 469, 499, 535, 552
 <223> n = A,T,C or G

<400> 1773
 gcccttaccg acgtcgacta tccaagatgt acgcggggaca aggcacttac caacagagat 60
 tgctgacttg ctcccttaagc aagagattca ctgccgctaa gcatggctca gaccaactcg 120
 ttcttcatgc tgatctcctc cctgatgttc ctgtctctga gccaaaggcca ggagtcccag 180

```

acagagctgc ctaatccccg aatcagctgc ccagaaggca ccaatgccta tcgctcctac 240
tgctactact ttaatgaaga ccctgagacc tgggttgatg cagatctcta ttgccagaac 300
atgaattcag gcaacctggt gtctgtgctc acccaggcgg aggggtgcctt cgtggcctca 360
ctgattaagg agagtagcac tgatgacagc aatgtntgga ttggntcca tgacccaaaa 420
aagaaccgcc gctggcactg gagtagtggg tccctggtct cctacaanna ctgggacact 480
ggatccccga gcagtgcctna tgctggctac tgtgcaagcc tgacttcatg ctcangattc 540
aagaaatgga angatgaatc ttg                                     563

```

<210> 1774

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 379, 448, 453, 494, 496

<223> n = A,T,C or G

<400> 1774

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga cgtccatttt tcagcttctt ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccaaac attgctgtna tcagtgtcac tctccttaat cagtgagacc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccangt tgnctgaatt catgttctgg caatagagat 480
ctgcatcaac ccangnctca ggttctt                                     507

```

<210> 1775

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 367

<223> n = A,T,C or G

<400> 1775

```

tnaggtgaca ctatagaata ctcaagctat gcatcaagct tggtagcgag ctcggatcca 60
ctagtaacgg ccgccagtgt gctggaattc gcccttaccg acgtcgacta tccaagatgt 120
tgctgtcatc agtgctactc tccttaatca gtgaggccac gaaggcacc tccgcctggg 180
tgagcacaga caccaggttg cctgaattca tgttctggca atagagatct gcatcaacca 240
ggtctcaggg tcttcattaa agtagtagca gtaggagcga taggcattgg tgcttcttgg 300
gcagctgatt cggggattag gcagctctgt ctgggactcc tggccttggc tcagagacag 360
gaacatnagg gaggagatca gcatgaagaa cgagttggtc tgagccatgc ttag                                     414

```

<210> 1776

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 409, 413, 476, 478, 504, 525, 527
 <223> n = A,T,C or G

<400> 1776
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgtca tcagtgttac tctccttaat cagtgaggnc acnaaggcac 420
 cctccgcctg ggtgagcaca gacaccaggt tgcttgaatt catgtttctg caatananat 480
 ctgcatcaac ccaggtctca gggnettcatt taaagtagta gcagnangag cgataggcat 540
 tgggtgccttc tgggca 556

<210> 1777
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 35, 172, 181, 201, 205, 390, 396, 411, 470, 527, 537,
 544, 567, 577, 578
 <223> n = A,T,C or G

<400> 1777
 gcccttaccg acgtcgacta tngaagatgt acgcnnggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120
 gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc angagtccca 180
 nacagagctg cctaattccc naatnagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gagggtgctt tctgggctc 360
 actgattaag gagagtagca ctgatgacan caatgnctgg attggcctcc ntgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tccatacaagn cctgggacac 480
 tggatccccg agcagttgct aatgctggct actgtgcaag cctgacntca tgcctcangat 540
 tcangaaatg gaaaggatga atcttngnag aagaagnnct cctttttgtg caag 594

<210> 1778
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 335, 467, 469, 498, 546, 572, 577, 585
 <223> n = A,T,C or G

<400> 1778
 gcccttaccg acgtcgacta tncaagatgt acgggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tctttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
 tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
 cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240


```

gctactactt taatgaagac cctgagacct gggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctggtg tctgtgctca cccangcgga ggggtgccttc gtggcctcac 360
tgattaagga gagtagcact gatgacagca atgtctggat tggcctccat gacccaaaaa 420
agaaccgccg ctggcactgg agtagtgggt ccttggtctc ctacaantnc tgggacactg 480
gatccccgag cagtgcctnat gctggctact gtgcaagcct gaattcatgc tcaggattca 540
agaaanggaa ggatgaatct tgtgagaaga anttctnctt tgtnn 585

```

```

<210> 1779
<211> 72
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 44
<223> n = A,T,C or G

```

```

<400> 1779
gcccttaccg acgtcgacta tccaagatgt acgggggatta ggcngetctg tctgggactc 60
ctaaacatgg ct 72

```

```

<210> 1780
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 368, 379, 382, 409, 416, 450
<223> n = A,T,C or G

```

```

<400> 1780
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctc caagattcat ccttcatttt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccocacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccanac attgctgtna tnagtgtac tctccttaat cagtgaggnc acgaangcac 420
cctccgcctg ggtgagcaca gacaccaagn tgcttgaatt catgttcttg caataga 477

```

```

<210> 1781
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 353, 406, 447, 469, 470, 502, 517, 518, 534, 540, 559
<223> n = A,T,C or G

```

```

<400> 1781
gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120

```

```

gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc aggagtccca 180
gacagagctg cctaataccc gaatcagctg cccagaaggc atcaatgcct atcgtctcta 240
ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
catgaattca ggcaacttgg tgtctgtgct caccagggcg gagggtgctt tcntggcctc 360
actgattaag gagagtagca ctgatgacag caatgtctgg attggnctcc atgacccaaa 420
aaagaaccgc cgctggcact ggagtantgg gtccctggtc tctacaaann ctgggacact 480
ggatcccagag cagtgctaatt gntggctact gtgcaannct gacttattgc tcangattcn 540
agaaatggaa ggatgaatnt t 561

```

<210> 1782

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 136

<223> n = A,T,C or G

<400> 1782

```

gcccttancg acgtngacta tccaagatgt acggggacaa ggcacttacc aacagagatt 60
gotgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcattgt gatctnctcc ctgatgttcc tgtctctgag cc 162

```

<210> 1783

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 27, 43, 65, 80, 97, 104, 111, 132

<223> n = A,T,C or G

<400> 1783

```

gcccttaccg acgtngacta tccaagncta ctgaagatca gcnatgcaaa ctcattaggg 60
agganatggt ctgaactgan ctggagacat agcctanatt aatntttgac ntcattaggaa 120
ttgcaggacc anttctagac atg 143

```

<210> 1784

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 234, 245, 346, 348, 375, 384, 414, 424, 435

<223> n = A,T,C or G

<400> 1784

```

gcccttaccg acgtngacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gaggccaga cagagttgcc ccangcccgg 240

```

```

atcanctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaatac 300
cgtgagacct gggttgatgc agatctctat tgccagaaca tgaatnngg caacctggtg 360
tctgtgctca cccangccga gggngccttt gtggcctcac tgattaagga gagnggcact 420
gatnacttca atgtntggat tggcctccat gaccccaaaa agaaccgccc tg 472

```

```

<210> 1785
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 240, 302, 368, 410, 442, 476
<223> n = A,T,C or G

```

```

<400> 1785
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgggtgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcata 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaan 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
angagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggagggc 360
caatccanac attgctgtca tcagtgtcac tctccttaat caagtgaggn cacgaaggca 420
ccctccgcct gggtgagcac anacaccagg ttgcctgaat tcatgttctg gcaatngaag 480
atttgcatac acccaggcct cagggtctt 509

```

```

<210> 1786
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 454
<223> n = A,T,C or G

```

```

<400> 1786
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gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cactcctact 240
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tgaattcagg caacctggtg tctgtgctca cccatgcgga gggtgccctc gtggcctcac 360
tgattaagga gagtagcact gatgacagca atgtctggat tggctccatg acccaaaaaa 420
gaaccgccgc tggcactgga gtagtgggtc ctgntctcct acaaaaaactg ggacactggg 480
atccccgagc agt 493

```

```

<210> 1787
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 15, 336, 339, 349

<223> n = A,T,C or G

<400> 1787

```

gcccttaccg acgtngacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccaa ggacccacta ctccagtgcc agcggnggnt cttttttgng tcatggaggg 360
caatccagac attgctgtca tcagtgttac tctccttaat cagtgaaggcc acgaagcacc 420
ctcccctggg tgagcacaga caccaagttg cctgaattca tggtt 464

```

<210> 1788

<211> 2333

<212> DNA

<213> Homo sapiens

<400> 1788

```

acaactgtct gctgcgcccc aaaaacaagt cgggtgcgctg gggacccggg gccgggggccg 60
ccttactccg gcctagcccc gcggccctcg gtgcggggtc cagggcatgc tcggtagcccc 120
ccgcgggtcc agcccagacg ccccggcctc aggtctcggc ccccgcttgg ggccccggcc 180
gtgcggcgcg agggagcggc cggatggagc ggaggatgaa agccggatac ttggaccagc 240
aagtgcctta caccttcagc agcaaatcgc ccggaaatgg gagcttgccg gaagcgctga 300
tcggcccgtc ggggaagctc atggaccggg gctccctgcc gccctcgac tctgaagatc 360
tcttcaggga tctaagtcac ttccaggaga cgtggctcgc tgaagctcag gtaccagaca 420
gtgatgagca gtttgttctt gatttccatt cagaaaacct agctttccac agccccacca 480
ccaggaatca gaaggagccc cagagtcctc gcacagacct ggccctgtcc tgcagcagga 540
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ccagacaaat cgccatcaag tcccctgccc ctggtgccct tggacagtgc cccctacagc 660
cctttccccc ggcagagcaa cggaaatttc tgagatctc tggcacctcc cagccccacc 720
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gactctgagc tgctcaccgg agtcattggg aagggaaaagt ggagaaatgg caagtctaga 1860
gtctcagaaa ctcccctggg ggtttcacct gggccctgga ggaattcagc tcagcttctt 1920
cctaggtcca agccccccac accttttccc caaccacaga gaacaagagt ttgttctgtt 1980
ctggggggaca gagaaggcgc ttcccactt catactggca ggagggtgag gaggttcaact 2040
gagctcccca gatctccac tgcggggaga cagaagcctg gactctgccc cacgctgtgg 2100

```

```

ccctggaggg tcccggtttg tcagttcttg gtgctctgtg ttcccagagg caggcggagg 2160
ttgaagaaag gaacctggga tgaggggtgc tgggtataag cagagaggga tgggttcctg 2220
ctccaaggga ccctttgcct ttcttctgcc ctttcttagg cccaggcctg ggtttgtact 2280
tccacctcca ccacatctgc cagaccttaa taaaggcccc caattctccc att 2333

```

<210> 1789

<211> 551

<212> PRT

<213> Homo sapiens

<400> 1789

```

Asn Cys Leu Leu Arg Pro Lys Asn Lys Ser Val Arg Trp Gly Pro Gly
 1           5           10           15
Ala Gly Ala Ala Leu Leu Arg Pro Ser Pro Ala Ala Leu Gly Ala Gly
      20           25           30
Ser Arg Ala Cys Ser Val Pro Pro Ala Ala Pro Ala Gln Thr Pro Arg
      35           40           45
Pro Gln Val Ser Ala Pro Ala Trp Gly Pro Gly Arg Ala Ala Arg Gly
      50           55           60
Ser Gly Arg Met Glu Arg Arg Met Lys Ala Gly Tyr Leu Asp Gln Gln
65           70           75           80
Val Pro Tyr Thr Phe Ser Ser Lys Ser Pro Gly Asn Gly Ser Leu Arg
      85           90           95
Glu Ala Leu Ile Gly Pro Leu Gly Lys Leu Met Asp Pro Gly Ser Leu
      100          105          110
Pro Pro Leu Asp Ser Glu Asp Leu Phe Gln Asp Leu Ser His Phe Gln
      115          120          125
Glu Thr Trp Leu Ala Glu Ala Gln Val Pro Asp Ser Asp Glu Gln Phe
      130          135          140
Val Pro Asp Phe His Ser Glu Asn Leu Ala Phe His Ser Pro Thr Thr
145          150          155          160
Arg Ile Lys Lys Glu Pro Gln Ser Pro Arg Thr Asp Pro Ala Leu Ser
      165          170          175
Cys Ser Arg Lys Pro Pro Leu Pro Tyr His His Gly Glu Gln Cys Leu
      180          185          190
Tyr Ser Ser Ala Tyr Asp Pro Pro Arg Gln Ile Ala Ile Lys Ser Pro
      195          200          205
Ala Pro Gly Ala Leu Gly Gln Ser Pro Leu Gln Pro Phe Pro Arg Ala
      210          215          220
Glu Gln Arg Asn Phe Leu Arg Ser Ser Gly Thr Ser Gln Pro His Pro
225          230          235          240
Gly His Gly Tyr Leu Gly Glu His Ser Ser Val Phe Gln Gln Pro Leu
      245          250          255
Asp Ile Cys His Ser Phe Thr Ser Gln Gly Gly Gly Arg Glu Pro Leu
      260          265          270
Pro Ala Pro Tyr Gln His Gln Leu Ser Glu Pro Cys Pro Pro Tyr Pro
      275          280          285
Gln Gln Ser Phe Lys Gln Glu Tyr His Asp Pro Leu Tyr Glu Gln Ala
      290          295          300
Gly Gln Pro Ala Val Asp Gln Gly Gly Val Asn Gly His Arg Tyr Pro
305          310          315          320
Gly Ala Gly Val Val Ile Lys Gln Glu Gln Thr Asp Phe Ala Tyr Asp
      325          330          335
Ser Asp Val Thr Gly Cys Ala Ser Met Tyr Leu His Thr Glu Gly Phe

```

